



No. 30  
24 JULY 2004



UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Geospatial-Intelligence Agency

Prepared Jointly with the  
National Ocean Service and U.S. Coast Guard

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Visit the Maritime Safety Information Division website at  
<http://pollux.nss.nga.mil/>



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## IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other products produced by the National Geospatial-Intelligence Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Geospatial-Intelligence Agency (NGA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NGA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-3370	287-3370	301-227-4211
World Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nga.mil>). For your convenience NGA provides three e-mail addresses. For information affecting Notice to Mariners use [NavNotices@nga.mil](mailto:NavNotices@nga.mil), for information affecting Sailing Directions and all other navigational publications use [SDPUBS@nga.mil](mailto:SDPUBS@nga.mil), for information concerning the Maritime Safety Information Website, use [webmaster\\_nss@nga.mil](mailto:webmaster_nss@nga.mil).

Mariners are requested to notify NGA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated.

**Cover Photo: LCVP**-Officially designated as a Landing Craft, Vehicles and Personnel, this small craft was more commonly known by the name of its inventor, New Orleans businessman Andrew Jackson Higgins. A modification of Higgins' Eureka workboat, the **LCVP** was highly maneuverable and ideal for landing troops and supplies on beaches. Higgins Industries, along with other companies licensed to reproduce the design, built over 20,000 **LCVPs** during the course of the war. This landing craft was important not only to the landings Normandy on D-Day, but also to Pacific Theatre operations on Guadalcanal, Tarawa, Iwo Jima and Okinawa. The **LCVP** could land a platoon of 36 men with their equipment, extract itself quickly, turn around without broaching in the surf, and go back out to get more troops and/or supplies. The Higgins boats landed more Allied troops during WWII than all other types of landing craft combined. As our nation marks the 40th anniversary of D-Day, we salute Andrew Jackson Higgins' influence on amphibious warfare and his contribution toward the Allied victory in World War II cannot be overstressed.

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

NM 30/04

# HYDROGRAM

**National Geospatial-Intelligence Agency  
Bethesda, MD 20816-5003**

SPECIAL  
ANNOUNCEMENTS  
\_\_\_\_\_  
NEW PRODUCTS  
OR SERVICES  
\_\_\_\_\_  
IMPORTANT  
CHANGES

**24 July 2004**

## **NEW EDITION OF COAST PILOT**

U.S. COAST PILOT 5, GULF OF MEXICO, PUERTO RICO, AND VIRGIN ISLANDS, THIRTY-SECOND EDITION, 2004, IS READY FOR ISSUE. SEE SECTIONS II AND III.

## **NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY**

NOAA RECOGNIZES TWO NAUTICAL CHART PRODUCTS: CHARTS-ON-DEMAND AND TRADITIONAL NOAA/NOS PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTION III.

## EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

**Section I-1** contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
  - T indicates that it is temporary in nature.
  - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter M is not a part of the chart number.
- The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2\*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NGA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

**Section II-1** is a weekly listing of corrections to the NGA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

**Section II-2\*** contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

**Section II-3\*** lists weekly updates to the USCG Light Lists.

**Section II-4\*** lists weekly updates to the NGA List of Lights.

**Section II-5** lists all NGA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

**Section III-1** lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

**Section III-2** contains miscellaneous information of particular interest to the maritime community.

\*The left-hand pages of these sections are intentionally blank.

<b>★1114A</b>	Ed. 5/04	NEW EDITION	30/04	Submarine pipeline (sewer) [L41.1] between 39°19'40"N 74°26'40"W 39°19'38"N 74°26'34"W
Add	Wreck [K29] (PA)	28°31.2'N 83°55.9'W		Depth 21 feet Obstn [K41]
	Wreck [K29] (PA)	28°27.1'N 83°46.7'W		Depth 20 feet Obstn [K41]
	(Previously published 29/04)			Depth 17 feet Obstn [K41]
Change	Light to Fl 15s 85ft 24M, Oc(4) 30s 85ft 10M	27°36.0'N 82°45.6'W		(NOS)
Add	Light Fl(4) 30s 110ft 19M (Priv) (NOS; 11/03, 8/04 CG7)	28°10.0'N 82°50.7'W		
<b>★11400</b>	35Ed. 5/04	NEW EDITION	30/04	
Add	Wreck [K29] (PA)	28°31.2'N 83°55.9'W		
	Wreck [K29] (PA)	28°27.1'N 83°46.7'W		
	(Previously published 29/04)			
Change	Light to Fl 15s 85ft 24M, Oc(4) 30s 85ft 10M	27°36.0'N 82°45.6'W		
Add	Light Fl(4) 30s 110ft 19M (Priv) (NOS; 11/03, 8/04 CG7)	28°10.0'N 82°50.7'W		
<b>★11513</b>	24Ed. 5/04	NEW EDITION	30/04	
Substitute	Buoy "5" G, Fl G 6s for light "5"	32°05'01"N 80°50'02"W		
	Buoy "6" R, Fl R 6s for light "6"	32°06'22"N 80°49'42"W		
	(Previously published 29/04)			
(NOS)				
<b>★11521</b>	27Ed. 5/04	NEW EDITION	30/04	
Delete	BELL from buoy "18"	32°43'27"N 79°48'37"W		
	(Previously published 29/04)			
Add	Tabulation of controlling depths from Subsection I-2			
	(Previously published 29/04)			
(NOS)				
<b>★12214</b>	45Ed. 5/04	NEW EDITION	30/04	
Delete	Depth 56 feet Obstns	38°58'51"N 75°12'13"W		
	Depth 58 feet	38°58'38"N 75°12'08"W		
	Danger circle and blue tint	38°58'42"N 75°12'00"W		
	Note: Depth 56 feet remains			
(NOS)				
<b>★12222</b>	46Ed. 5/04	NEW EDITION	30/04	
(NOS)				
<b>12304</b>	43Ed. 3/03	LAST NM 28/04	30/04	
Delete	Depth 56 feet Obstns	38°58'51"N 75°12'13"W		
	Depth 58 feet	38°58'38"N 75°12'08"W		
	Danger circle and blue tint	38°58'42"N 75°12'00"W		
	Note: Depth 56 feet remains			
(NOS)				
<b>12316</b>	30Ed. 11/03	LAST NM 28/04 <b>(Side A)</b>	30/04	
Delete	Submarine pipeline (sewer) in vicinity	39°20'00"N 74°26'59"W		
Add	Submarine pipeline (sewer) [L41.1] joining	39°20'44"N 74°27'33"W		
		39°19'40"N 74°26'40"W		
		39°19'34"N 74°26'42"W		
	Submarine pipeline (sewer) [L41.1] between			
		39°19'40"N 74°26'40"W		
		39°19'38"N 74°26'34"W		
	Depth 21 feet Obstn [K41]	39°19'39"N 74°26'34"W		
	Depth 20 feet Obstn [K41]	39°19'34"N 74°26'42"W		
	Depth 17 feet Obstn [K41]	39°19'45"N 74°26'45"W		
(NOS)				
<b>★12318</b>	41Ed. 12/02	LAST NM 28/04	30/04	
Delete	Submarine pipeline (sewer) in vicinity	39°20'00"N 74°26'57"W		
Add	Submarine pipeline (sewer) [L41.1] joining	39°20'44"N 74°27'33"W		
		39°19'40"N 74°26'40"W		
		39°19'34"N 74°26'42"W		
	Submarine pipeline (sewer) [L41.1] between			
		39°20'44"N 74°27'33"W		
		39°19'40"N 74°26'40"W		
		39°19'34"N 74°26'42"W		
	Depth 21 feet Obstn [K41]	39°19'39"N 74°26'34"W		
	Depth 20 feet Obstn [K41]	39°19'34"N 74°26'42"W		
	Depth 17 feet Obstn [K41]	39°19'45"N 74°26'45"W		
(NOS)				
<b>12329</b>	28Ed. 1/04	LAST NM 24/04 <b>(Page F)</b>	30/04	
	Relocate Buoy "10" from 41°34'37"N 70°43'15"W to (See 23/04-13218)	41°34'24"N 70°43'12"W		
(23/04 CG1)				

<b>13230</b>	47Ed. 12/03 LAST NM 24/04 Relocate Buoy "10" from 41°34'37"N 70°43'15"W to 41°34'24"N 70°43'12"W (See 23/04-13230) (23/04 CG1)	30/04	<b>18400</b>	44Ed. 8/03 LAST NM 28/04 Change Light to Fl 4s 63ft 8M Note: Sector remains unchanged  Visibility (range) of light "2" to 5M 48°22.7'N 124°35.7'W Note: Obscured sectors unchanged (22/04 CG13)	30/04 48°23.1'N 124°36.0'W
<b>14826</b>	27Ed. 11/02 LAST NM 20/04 Change Light to Q Y 25ft 4 St M (See 20/04-14826) (24/04 CG9)	30/04 41°28'47"N 82°11'15"W	<b>18440</b>	27Ed. 11/03 LAST NM 28/04 Add Light 3 Fl Y 4s (Priv) (22/04 CG13)	30/04 47°20.5'N 122°20.5'W
<b>14829</b>	6Ed. 12/03 LAST NM 15/04 Change Light to Q Y 8m 3NM (24/04 CG9)	30/04 41°28'48"N 82°11'15"W	<b>18445</b>	30Ed. 11/03 LAST NM 28/04 <b>(Page C)</b> Add Light 3 Fl Y 4s (Priv)  <b>(Page F)</b> Add Light "5" Fl G 4s 20ft (Priv) 47°03'20.2"N 122°53'45.7"W Light "7" Fl G 2.5s 20ft (Priv) 47°03'16.4"N 122°53'44.5"W Light "9" Fl G 6s 20ft (Priv) 47°03'12.6"N 122°53'43.1"W (22/04 CG13)	30/04 47°20'30"N 122°20'30"W
<b>14830</b>	30Ed. 6/03 LAST NM 20/04 Change Light to Q Y 25ft 4 St M (See 20/04-14830) (24/04 CG9)	30/04 41°28'42"N 82°11'12"W	<b>18448</b>	33Ed. 9/03 LAST NM 28/04 Add Light 3 Fl Y 4s (Priv) Light "5" Fl G 47°20'30"N 122°20'30"W Light "7" Fl G 47°03'20"N 122°53'46"W Light "9" Fl G 47°03'16"N 122°53'45"W Light "9" Fl G 47°03'13"N 122°53'43"W (22/04 CG13)	30/04 47°20'30"N 122°20'30"W
<b>★14841</b>	28Ed. 11/03 LAST NM 14/04 Change Light to Q Y 25ft 4 St M (24/04 CG9)	30/04 41°28'47.4"N 82°11'15.0"W	<b>★18456</b>	19Ed. 3/21/98 LAST NM 21/04 Add Light "5" Fl G 4s 20ft (Priv) 47°03'20.2"N 122°53'45.7"W Light "7" Fl G 2.5s 20ft (Priv) 47°03'16.4"N 122°53'44.5"W Light "9" Fl G 6s 20ft (Priv) 47°03'12.6"N 122°53'43.1"W (22/04 CG13)	30/04 47°03'20.2"N 122°53'45.7"W
<b>14860</b>	35Ed. 12/8/01 LAST NM 26/04 Add Buoy "3" G, Fl G 4s (23/03 CG9)	30/04 43°44.0'N 82°35.3'W	<b>18460</b>	11Ed. 12/02 LAST NM 17/04 Change Light to Fl 4s 63ft 8M Note: Sector remains unchanged  Visibility (range) of light "2" to 5M 48°22'41"N 124°35'40"W Note: Obscured sectors unchanged (22/04 CG13)	30/04 48°23'06"N 124°35'59"W
<b>★14862</b>	28Ed. 4/13/02 LAST NM 26/04 Add Buoy "3" G, Fl G 4s (23/04 CG9)	30/04 43°44.0'N 82°35.3'W	<b>★18474</b>	8Ed. 10/03 LAST NM 22/04 Add Light 3 Fl Y 4s (Priv) (22/04 CG13)	30/04 47°20'30"N 122°20'30"W
<b>★14933</b>	24Ed. 5/02 LAST NM 1/04 Delete Beacon "1" Beacon "2" (24/04 CG9)	30/04 43°03'42.0"N 86°14'29.0"W 43°03'41.0"N 86°14'31.5"W	<b>18480</b>	29Ed. 12/02 LAST NM 6/04 Change Light to Fl 4s 63ft 8M Note: Sector remains unchanged  Visibility (range) of light "2" to 5M 48°22.7'N 124°35.6'W (22/04 CG13)	30/04 48°23.1'N 124°36.0'W
<b>★16446</b>	8Ed. 5/04 NEW EDITION (NOS)	30/04	<b>★18484</b>	11Ed. 2/04 LAST NM 18/04 Change Light to Fl 4s 63ft 8M 48°23'05.9"N 124°35'59.2"W Note: Sector remains unchanged  Visibility (range) of light "2" to 5M 48°22'41.5"N 124°35'40.1"W Note: Obscured sectors unchanged (22/04 CG13)	30/04 48°23'06"N 124°35'59.2"W
<b>17005</b>	10Ed. 5/27/95 LAST NM 6/04 Change Light to Fl 4s 63ft 8M (22/04 CG13)	30/04 48°23.1'N 124°36.1'W	<b>18485</b>	15Ed. 12/02 LAST NM 17/04 Change Light to Fl 4s 63ft 8M 48°23'06"N 124°35'59'W Note: Sector remains unchanged  Visibility (range) of light "2" to 5M 48°22'41"N 124°35'41"W Note: Obscured sectors unchanged (22/04 CG13)	30/04 48°23'06"N 124°35'59'W
<b>17420</b>	26Ed. 9/22/01 LAST NM 13/04 Change Visibility (range) of light to 14M (Can LL)	30/04 54°17.7'N 130°36.5'W	<b>★18524</b>	34Ed. 6/04 NEW EDITION (Right Panel) Relocate Light from 46°02'02"N 122°52'52"W to 46°01'59.2"N 122°52'48.2"W (NOS; 42/03 CG13)	30/04
<b>17438</b>	12Ed. 1/28/95 LAST NM 22/04 Change Visibility (range) of light to 14M (Can LL)	30/04 54°17'50"N 130°36'31"W			
<b>17441</b>	7Ed. 6/24/95 LAST NM 22/04 Change Visibility (range) of light to 14M (Can LL)	30/04 54°17'48"N 130°36'30"W			
<b>17445</b>	2Ed. 1/28/95 LAST NM 22/04 Change Visibility (range) of light to 14M (Can LL)	30/04 54°17'45"N 130°36'31"W			
<b>17517</b>	8Ed. 5/6/95 LAST NM 34/03 Change Visibility (range) of light to 17M (Can LL)	30/04 49°29'13"N 124°26'04"W			
<b>17548</b>	28Ed. 8/12/95 LAST NM 43/03 Change Light to Fl 4s 10m 7M (Can LL)	30/04 48°54'36"N 125°28'20"W			
<b>18003</b>	19Ed. 3/03 LAST NM 22/04 Change Light to Fl 4s 63ft 8M (22/04 CG13)	30/04 48°23.1'N 124°35.9'W			

## SECTION I

NM 30/04

<b>★18587</b>	69Ed. 5/04	NEW EDITION (NOS)	30/04	
<b>★18622</b>	53Ed. 5/04	NEW EDITION Delete Height from light (NOS; USCG LL)	30/04	40°43'34.8"N 124°13'19.4"W
<b>★18704</b>	13Ed. 5/04	NEW EDITION (NOS)	30/04	
<b>★19367</b>	37Ed. 5/8/99	LAST NM 50/03 Change Visibility (range) of light "7" to 3M (25/04 CG14)	30/04	21°18'04.9"N 157°52'08.6"W
<b>19369</b>	5Ed. 7/8/00	LAST NM 14/04 Change Visibility (range) of light "7" to 3M (25/04 CG14)	30/04	21°18'04.9"N 157°52'07.6"W
<b>23131</b>	7Ed. 10/8/83	LAST NM 22/03 Change Characteristic of light to Oc R 6s Light to Oc G 6s 11m 6M	30/04	38°34'54"S 58°41'45"W 38°35'06"S 58°41'32"W
	Add	Range light, front Iso R 2s 10m 10M Range light, rear Iso 4s 43m 16M		38°34'51"S 58°42'03"W 38°34'40"S 58°42'35"W
		Range line extending in 113° direction from above rear light dashed for 1700 meters, thence solid for 3300 meters		
		Legend "Lts in line 293°" along above range line		38°35'20"S 58°40'40"W
		<b>(Plan)</b> Change Light to Oc G 6s 11m 6M Characteristic of light to Oc R 6s		38°35'06.3"S 58°41'32.4"W 38°34'53.6"S 58°41'45.0"W
		Range light, front to Iso R 2s 9m 5M		38°35'03.9"S 58°41'37.6"W
		Range beacon, front to Iso G 2s 7m 5M with visible sector 134°-222°		38°35'02.1"S 58°41'42.6"W
		Range beacon, rear to Iso G 2s 8m 5M		38°35'02.9"S 58°41'41.7"W
		Light to Iso G 2s 8m 8M and delete sector limits		38°34'55.5"S 58°41'56.8"W
		Range light, front to Iso R 2s 10m 10M		38°34'51.0"S 58°42'03.3"W
		Range light, rear to Iso 4s 43m 16M		38°34'40.4"S 58°42'35.0"W
		Light to Oc R 5s 12m 5M		38°34'39.0"S 58°42'06.0"W
		Visibility (range) of range light, front to 5M and add visible sector 308°45'-316°45'		38°34'27.2"S 58°42'24.6"W
		Range light, rear to Iso 2s 24m 8M with visible sector 308°45'-316°45'		38°34'19.0"S 58°42'35.2"W
	(Arg LL)			
<b>24450</b>	3Ed. 5/23/87	LAST NM 6/04 Add Light Fl(2) 9M (Supersedes 47/03-24450)	30/04	12°09.5'N 68°19.4'W (NTM0015/2004)
<b>24460</b>	4Ed. 11/6/93	LAST NM 47/03 <b>(Panel B)</b> Add Light Fl(2) 20s 6m 9M with obscured sector 143°-278° (See 47/03-24460)	30/04	12°09.2'N 68°19.6'W (NTM0015/2004)
<b>★24461</b>	4Ed. 8/10/96	LAST NM 47/03 Add Light Fl(2) 20s 6m 9M with obscured sector 143°-278° (See 47/03-24461)	30/04	12°09'23"N 68°19'36"W
				<b>(Plan A)</b> Light Fl(2) 20s 6m 9M with obscured sector 143°-278° (NTM0015/2004)
				12°09'21.5"N 68°19'38.0"W
<b>24509</b>	2Ed. 6/24/95	LAST NM 21/04 Add Buoy BRB, pillar, Fl R 3s (46/04 Bogota)	30/04	10°21'05"N 75°32'10"W
<b>24510</b>	2Ed. 6/24/95	LAST NM 24/04 Add Buoy BRB, pillar, Fl R 3s (46/04 Bogota)	30/04	10°21'05"N 75°32'10"W
<b>25485</b>	45Ed. 12/17/94	LAST NM 10/04 <b>(Plan A)</b> Delete Buoy "3" Relocate Buoy "2" from 13°06'28.3"N 59°37'51.4"W to 13°06'25.5"N 59°37'48.5"W Change Range light, front to Iso G 2s (See 36/03-25485) (NTM0015/2004)	30/04	13°06'33.2"N 59°37'42.0"W
<b>★25487</b>	2Ed. 10/29/94	LAST NM 10/04 Delete Buoy "3" Relocate Buoy "2" from 13°06'28.0"N 59°37'51.0"W to 13°06'25.5"N 59°37'48.5"W Change Range light, front to Iso G 2s (See 36/03-25487) (NTM0015/2004)	30/04	13°06'32.5"N 59°37'42.0"W
<b>26122</b>	30Ed. 3/1/03	LAST NM 22/03 <b>(Plan B)</b> Change Characteristic of buoy "1" to QR (25/2767)04 Taunton	30/04	18°28'07.3"N 77°56'07.5"W
<b>27120</b>	4Ed. 7/3/99	LAST NM 16/04 Add Light Fl 5s 17m 15M (NTM0012/2004)	30/04	20°30.4'N 86°57.3'W
<b>28190</b>	2Ed. 6/5/99	LAST NM 16/04 Add Light Fl 5s 17m 15M (NTM0012/2004)	30/04	20°30.4'N 86°57.3'W
<b>28196</b>	4Ed. 3/27/99	LAST NM 16/04 Add Light Fl 5s 17m 15M (NTM0012/2004)	30/04	20°30'27"N 86°57'18"W
<b>28197</b>	4Ed. 5/2/98	LAST NM 16/04 Add Light Fl 5s 17m 15M (NTM0012/2004)	30/04	20°30'26.7"N 86°57'18.3"W
<b>35005</b>	Ed. 7/94	LAST NM 23/04 Add Submarine pipeline [L40.1] with legend "Gas" between	30/04	57°43.8'N 0°58.3'E 57°43.4'N 0°54.4'E
		Submarine pipeline [L40.1] with legend "Gas" joining		57°43.4'N 0°52.4'E 57°43.3'N 0°53.2'E 57°43.3'N 0°54.0'E
		Submarine cable (power) [L31.1] between		57°44.0'N 0°58.1'E 57°45.0'N 0°55.0'E
		Submarine cable (power) [L31.1] between		57°43.7'N 0°51.0'E 57°44.9'N 0°54.7'E
		(22/2445)04 Taunton)		

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<b>37238</b>	6Ed.	10/17/98	LAST NM 25/04	30/04	Add Buoy "W 6A" BY, pillar, double cone topmark points upward	52°58'30"N 4°50'29"E	Depth 6 fathoms (10(465), 11(492, 494, 495)04 Stavanger)	68°10.5'N 15°33.6'E
	Add	Buoy "W 6B" BY, pillar, double cone topmark points upward	52°58'55"N 4°51'32"E					
		Buoy "W 6C" YB, pillar, double cone topmark points downward	52°58'24"N 4°50'36"E					
		Buoy "W 6D" YB, pillar, double cone topmark points downward	52°58'32"N 4°50'56"E					
		Buoy "W 6E" YB, pillar, double cone topmark points downward	52°58'40"N 4°51'15"E					
		Buoy "W 6F" YB, pillar, double cone topmark points downward	52°58'49"N 4°51'38"E					
		"Marine Farm" area bound by dashed line joining	52°58'30"N 4°50'29"E 52°58'55"N 4°51'32"E 52°58'49"N 4°51'38"E 52°58'24"N 4°50'36"E					
		Buoy "TNO-N" BY, pillar, double cone topmark points upward	52°59'14"N 4°50'55"E					
		Buoy "TNO-E" BYB, pillar, double cone topmark bases together	52°59'02"N 4°51'00"E					
		Buoy "TNO-Z" YB, pillar, double cone topmark points downward	52°58'51"N 4°49'55"E					
		"Marine Farm" area bound by dashed line joining	52°59'14"N 4°50'55"E 52°59'02"N 4°51'00"E 52°58'51"N 4°49'55"E					
		(14(166)04 's-Gravenhage)						
<b>37402</b>	7Ed.	11/1/97	LAST NM 1/04	30/04	Delete Purple composite line between	46°10'14.2"N 1°16'05.0"W 46°10'14.2"N 1°16'55.1"W		
	Add	Chartlet, depicting changes in hydrography and topography, from Subsection I-2	46°10'00.0"N 1°15'30.0"W					
		Purple composite-line lesser arc of a circle, radius 0.5 mile, centered	46°09'46.0"N 1°16'38.5"W					
		arc between	46°10'05.5"N 1°16'05.0"W 46°10'14.2"N 1°16'55.1"W					
		Legend "DREDGING AREA" centered	46°10'00.0"N 1°16'30.0"W					
		Purple composite line between	46°09'57.0"N 1°14'11.0"W 46°09'55.5"N 1°14'37.5"W					
		(See 49/99-37402)						
		(Fr CH 7413)						
<b>38588</b>	7Ed.	10/2/99	LAST NM 11/00	30/04	Delete Beacon	60°43'17"N 46°10'08"W		
		Beacon	60°39'44"N 46°21'48"W					
	Change	Beacon to "150", can topmark	60°36'59"N 46°09'21"W					
		Beacon to "143", can topmark	60°37'52"N 46°03'54"W					
		Beacon to "144", can topmark	60°38'27"N 46°01'13"W					
		Beacon to "206", can topmark	60°41'33"N 46°17'07"W					
		Beacon to "211", can topmark	60°43'08"N 46°42'38"W					
		Beacon to "214", can topmark	60°42'53"N 46°38'52"W					
		Beacon to "222", can topmark	60°45'58"N 46°34'33"W					
		Beacon to "224", can topmark	60°44'47"N 46°38'37"W					
		(39(259)00, 40(326)02, 33(209), 46(303)03 København)						
<b>43030</b>	24Ed.	4/5/97	LAST NM 29/04	30/04	Add Wreck [K29] (PA)	54°28.0'N 11°33.3'E (47(311)03 København)		
<b>43079</b>	2Ed.	7/4/98	LAST NM 21/04	30/04	Add Danger circle [K40] "Obstn (Marine farm)"	70°35'52.0"N 23°39'17.7"E (10(466)04 Stavanger)		
<b>43082</b>	5Ed.	7/26/97	LAST NM 21/04	30/04	Add Danger circle [K40] "Obstn (Marine farm)"	70°35'52"N 23°39'18"E (10(466)04 Stavanger)		
<b>43140</b>	4Ed.	10/5/96	LAST NM 25/04	30/04	Substitute Depth 6 fathoms for 7 fathoms	68°26.7'N 14°17.2'E		
		Depth 10 fathoms for 11 fathoms	68°28.6'N 15°11.1'E					
		Depth 5 1/2 fathoms for 6 1/2 fathoms	68°31.3'N 14°31.6'E					
<b>43144</b>	4Ed.	4/19/97	LAST NM 25/04	30/04	Substitute Rock awash [K12] for dangerous submerged rock	68°06.5'N 15°38.9'E		
		Depth 10 meters for 19 meters	68°06.9'N 15°31.0'E					
		Depth 11 meters for 12 meters	68°10.5'N 15°33.6'E					
		(11(492)04 Stavanger)						
<b>43145</b>	4Ed.	5/17/97	LAST NM 25/04	30/04	Substitute Depth 13 meters for 29 meters	68°28'32"N 15°10'40"E		
		Depth 19 meters for 21 meters	68°28'39"N 15°11'12"E					
		Depth 16 meters for 19 meters	68°28'37"N 14°59'51"E					
		Depth 10 meters for 13 meters	68°30'41"N 15°16'27"E					
	Add	Depth 19 meters	68°28'31"N 15°11'08"E					
		Depth 6 meters	68°30'53"N 15°16'58"E					
		(11(494, 496)04 Stavanger)						
<b>43150</b>	2Ed.	9/29/90	LAST NM N22/04	N30/04	Substitute Depth 6 fathoms for 6 1/2 fathoms	68°10.7'N 15°34.0'E		
	Add	Rock awash [K12]	68°06.5'N 15°39.0'E					
		(11(492)04 Stavanger)						
<b>43160</b>	6Ed.	3/15/97	LAST NM 22/04	30/04	Substitute Rock awash [K12] for dangerous submerged rock	68°06.5'N 15°38.9'E		
	Add	Depth 11 meters	68°10.5'N 15°33.6'E					
		(11(492)04 Stavanger)						
<b>43164</b>	3Ed.	11/23/96	LAST NM 22/04	30/04	Substitute Depth 6 meters for 8 meters	68°06'26"N 15°36'56"E		
		Depth 5 meters for 8 meters	68°06'28"N 15°38'27"E					
		Depth 10 meters for 19 meters	68°06'54"N 15°30'58"E					
		Depth 2.5 meters for 3 meters	68°07'04"N 15°31'02"E					
		Depth 7.9 meters for 12 meters	68°07'17"N 15°30'01"E					
		Depth 4.4 meters for 8 meters	68°07'22"N 15°30'55"E					
		Depth 11 meters for 38 meters	68°10'13"N 15°33'25"E					
		Depth 12.5 meters for 31 meters	68°10'16"N 15°34'36"E					
		Depth 11 meters Rk for 12 meters Rk	68°10'31"N 15°33'36"E					
		Depth 6 meters for 12 meters	68°08'22"N 15°30'50"E					
		Depth 4 meters for 19 meters	68°08'01"N 15°45'36"E					
	Add	Depth 9 meters	68°06'01"N 15°38'41"E					
		Depth 5.7 meters	68°06'21"N 15°37'18"E					
		Rock awash [K12]	68°06'28"N 15°38'51"E					
		Depth 3.8 meters	68°06'49"N 15°30'39"E					
		Depth 7 meters	68°06'56"N 15°30'36"E					
		Depth 1.2 meters	68°06'56"N 15°30'01"E					
		Depth 13 meters	68°10'12"N 15°34'24"E					
		Depth 8 meters	68°10'29"N 15°34'13"E					
		Depth 9.6 meters	68°08'09"N 15°31'04"E					
		Depth 16 meters	68°07'52"N 15°43'42"E					
		Depth 1 meter	68°07'51"N 15°45'57"E					
		Depth 2 meters	68°08'04"N 15°45'08"E					
		Depth 9.5 meters	68°08'59"N 15°43'50"E					
		(11(492, 493)04 Stavanger)						
<b>43182</b>	4Ed.	3/12/94	LAST NM 22/04	30/04	Add Danger circle [K40] "Obstn (Marine farm)"	66°19'34"N 12°39'08"E		
		(11(491)04 Stavanger)						
<b>43301</b>	4Ed.	9/11/93	LAST NM 23/04	30/04	Add Danger circle [K40] "Obstn (Marine farm)"	61°19'15"N 4°58'55"E		
		(11(488)04 Stavanger)						
<b>43360</b>	21Ed.	1/4/97	LAST NM 28/04	30/04	Delete Depth 30 meters Wk	57°37.3'N 11°03.5'E		
		(10(1033)02 Taunton)						

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**NM 30/04**

<b>43384</b>	1Ed. 9/14/91 LAST NM 29/04 Add Anchoring prohibited area [N20] by shore and purple composite line joining	30/04 58°21'20"N 11°25'46"E 58°21'24"N 11°25'48"E 58°21'22"N 11°26'02"E 58°21'27"N 11°26'07"E 58°21'19"N 11°26'34"E 58°21'09"N 11°26'22"E	<b>44207</b>	1Ed. 11/22/86 LAST NM 23/04 <b>(Plan A)</b> Add Cone topmark to buoy (19(1890)04 Norrkoping)	30/04 61°15'59.0"N 17°17'45.0"E
	Anchoring prohibited symbol [N20] (19(1898)04 Norrkoping)	58°20'48"N 11°24'21"E			
<b>44036</b>	5Ed. 8/31/96 LAST NM 28/04 Delete Depth 30 meters Wk (10(1033)02 Taunton)	30/04 57°37'17"N 11°03'07"E	<b>44360</b>	9Ed. 10/12/96 LAST NM 24/04 Add Depth 18.2 meters Wk [K26] (16(2326)04 St. Petersburg)	30/04 60°31.6"N 28°21.9"E
<b>44040</b>	23Ed. 7/20/96 LAST NM 29/04 Delete Depth 30 meters Wk (10(1033)02 Taunton)	30/04 57°37.3'N 11°03.1'E	<b>44366</b>	1Ed. 5/27/89 LAST NM 52/03 Add Depth 18.2 meters Wk [K26] (16(2326)04 St. Petersburg)	30/04 60°31'33"N 28°21'52"E
<b>44047</b>	22Ed. 2/8/97 LAST NM 29/04 Add Buoy (mooring) Y [Q40] (47(308)03 Kopenhagen)	30/04 55°33.5'N 12°39.4"E	<b>44430</b>	2Ed. 6/22/96 LAST NM 27/04 Add Dangerous wreck [K28] (16(2332)04 St. Petersburg)	30/04 54°55.7"N 19°53.2"E
<b>44049</b>	9Ed. 6/15/96 LAST NM 29/04 Add Buoy (mooring) Y [Q40] (47(308)03 Kopenhagen)	30/04 55°33'30"N 12°39'24"E	<b>44461</b>	10Ed. 1/11/97 LAST NM 22/04 Add Dangerous wreck [K28] (16(2332)04 St. Petersburg)	30/04 54°55.7"N 19°53.2"E
<b>44050</b>	21Ed. 10/28/95 LAST NM 28/04 Delete Buoy (37(247)03 Kopenhagen)	30/04 55°39'23.1"N 12°33'46.9"E	<b>51013</b>	4Ed. 3/23/85 LAST NM 19/04 Delete RBn at light (10(174)03 Cadiz)	30/04 35°53.8'N 5°18.7"W
<b>44069</b>	16Ed. 3/15/97 LAST NM 29/04 Add Wreck [K29] (PA) (47(311)03 Kopenhagen)	30/04 54°28.0'N 11°33.3"E	<b>51017</b>	31Ed. 8/10/96 LAST NM 29/04 Add Depth 760 meters (13(134)04 Cadiz)	30/04 28°06.2'N 13°48.2"W
<b>44084</b>	1Ed. 8/25/90 LAST NM 26/03 Add Submarine pipeline [L40.1] between	30/04 53°24'52"N 14°34'31"E 53°24'56"N 14°34'33"E	<b>51022</b>	11Ed. 8/10/96 LAST NM 29/04 Add Depth 760 meters (13(134)04 Cadiz)	30/04 28°06.2'N 13°48.2"W
<b>44100</b>	7Ed. 3/9/96 LAST NM 27/04 Add Wreck [K29] (PA) (47(311)03 Kopenhagen)	30/04 54°28.0'N 11°33.3"E	<b>51100</b>	7Ed. 10/22/94 LAST NM 23/04 Change Characteristic of light to Fl(3) R 9s (10(171)03 Cadiz)	30/04 42°30.8'N 8°49.2"W
<b>44105</b>	2Ed. 1/29/94 LAST NM 24/04 Relocate Buoy from 56°09'23"N 14°48'58"E to (7(1683)04 Norrkoping)	30/04 56°09'29"N 14°48'49"E	<b>51261</b>	23Ed. 6/4/94 LAST NM 12/04 Add "Nature Reserve Area" [N22] bound by shore and purple dashed line joining	30/04 32°48.5'N 16°51.3"W 32°49.1'N 16°50.2"W 32°50.8'N 16°51.5"W 32°51.2'N 16°54.2"W 32°50.2'N 16°54.3"W (Por CH 36201)
<b>44181</b>	5Ed. 4/6/96 LAST NM 25/04 Delete Depth 8.8 meters Depth 8.8 meters	30/04 59°15'26.0"N 18°21'18.0"E 59°15'17.2"N 18°21'32.0"E	<b>51380</b>	5Ed. 3/29/97 LAST NM 21/04 Add Depth 760 meters enclosed by depth contour (1000-meter) centered (13(134)04 Cadiz)	30/04 28°06'12"N 13°48'12"W
	Add Depth 2 meters Depth 6.4 meters Depth 7.9 meters (19(1684)04 Norrkoping; Swd CH 6145)	59°15'12.0"N 18°21'33.0"E 59°15'27.6"N 18°21'18.5"E 59°15'19.8"N 18°21'28.0"E	<b>52031</b>	1Ed. 2/1/92 LAST NM 27/04 Delete RBn at light (10(174)03 Cadiz)	30/04 35°53.8'N 5°18.7"W
<b>44192</b>	1Ed. 12/18/93 LAST NM 28/04 Add Buoy Y, spar, "X" topmark Buoy Y, spar, "X" topmark (13(1802)04 Norrkoping)	30/04 59°21'51"N 17°38'42"E 59°21'57"N 17°38'38"E	<b>52040</b>	17Ed. 9/27/86 LAST NM 28/04 Delete RBn at light (10(174)03 Cadiz)	30/04 35°53.8'N 5°18.7"W
<b>44206</b>	1Ed. 12/27/86 LAST NM 22/04 Delete Buoy	30/04 61°07'56"N 17°19'23"E	<b>52048</b>	3Ed. 11/3/90 LAST NM 8/03 Delete RBn at light (10(174)03 Cadiz)	30/04 35°53'46.0"N 5°18'41.0"W
	Add Cone topmark to buoy	61°15'59"N 17°17'45"E	<b>52061</b>	2Ed. 3/2/96 LAST NM 6/04 Change Light to Fl(4) G 12s 13m 4M <b>(Plan)</b> Change Light to Fl(4)G 12s 9m 3M Light to Fl(4)R 12s 9m 5M (10(175), 16(286)03 Cadiz)	30/04 37°49'18"N 0°45'08"W 37°33'57.1"N 1°15'16.2"W 37°33'52.1"N 1°15'19.2"W
	Buoy YB, spar, double cone topmark points downward (19(1890)04 Norrkoping)	61°07'56"N 17°19'28"E	<b>52080</b>	14Ed. 2/8/97 LAST NM 25/04 Change Light to Fl(4) G 12s 13m 4M (10(175)03 Cadiz)	30/04 37°49.3'N 0°45.1'W

<b>52082</b>	3Ed. 9/16/00 LAST NM 29/04 Change Characteristic of light to Fl(4) G 12s Characteristic of light to Fl(4) R 12s (10(175)03 Cadiz)	30/04 37°49'16"N 0°45'04"W 37°49'18"N 0°45'12"W	Delete (Plan) Solid line with land tint (hulk) (11(1539, 1540)04 St. Petersburg)	44°41'30.5"N 37°47'45.5"E
<b>53081</b>	8Ed. 1/14/95 LAST NM 27/04 Delete Buoy (mooring) (2(8)04 Brest)	30/04 43°02'48.0"N 5°54'40.0"E		
<b>53083</b>	8Ed. 4/15/95 LAST NM 21/04 Add "FISHING PROHIBITED" area [N21] bound by purple composite line joining (4(37)04 Brest)	30/04 43°28'01.8"N 6°55'28.8"E 43°28'00.6"N 6°56'29.4"E 43°26'27.6"N 6°56'28.2"E 43°26'15.6"N 6°55'10.8"E 43°27'02.4"N 6°55'18.6"E		
<b>53084</b>	6Ed. 6/25/94 LAST NM 16/03 Add "FISHING PROHIBITED" area [N21] bound by purple composite line joining (4(37)04 Brest)	30/04 43°28'01.8"N 6°55'28.8"E 43°28'00.6"N 6°56'29.4"E 43°26'27.6"N 6°56'28.2"E 43°26'15.6"N 6°55'10.8"E 43°27'02.4"N 6°55'18.6"E		
<b>54400</b>	8Ed. 6/2/90 LAST NM 25/04 Change Legend "PROHIBITED AREA" to "RESTRICTED AREA" in vicinity (36(159)03 Istanbul)	30/04 37°00.0"N 27°13.0"E		
<b>54403</b>	4Ed. 6/14/86 LAST NM 19/04 Change Legend "PROHIBITED AREA" to "RESTRICTED AREA" in vicinity (36(159)03 Istanbul)	30/04 37°07'00"N 27°15'00"E		
<b>54407</b>	4Ed. 1/27/96 LAST NM 25/04 Change Legend "PROHIBITED AREA" to "RESTRICTED AREA" in vicinity (36(159)03 Istanbul)	30/04 37°00.0"N 27°13.0"E		
<b>54418</b>	4Ed. 10/5/96 LAST NM 25/04 Change Legend "PROHIBITED AREA" to "RESTRICTED AREA" in vicinity (36(159)03 Istanbul)	30/04 37°03'00.0"N 27°13'00.0"E		
<b>54441</b>	6Ed. 5/4/96 LAST NM 22/04 Add Submarine pipeline [L40.1] between Buoy (mooring) [Q40] with legend "Buoys (3)" (7-8(33)03 Istanbul)	30/04 36°48'38"N 34°43'25"E 36°46'21"N 34°43'25"E 36°46'20"N 34°43'24"E		
<b>54480</b>	8Ed. 9/27/86 LAST NM 29/04 Add Submarine pipeline [L40.1] between Buoy (mooring) [Q40] with legend "Buoys (3)" (7-8(33)03 Istanbul)	30/04 36°48.6"N 34°43.4"E 36°46.4"N 34°43.4"E 36°46.3"N 34°43.3"E		
<b>55085</b>	9Ed. 9/21/96 LAST NM 20/04 Change Legend to "14m (2003)" (15(220)04 St. Petersburg)	30/04 46°36.6"N 31°01.1"E		
<b>55103</b>	2Ed. 4/6/96 LAST NM 28/04 Add Depth 0.4 meter Obstn [K41] (11(1535)04 St. Petersburg)	30/04 44°36'31.7"N 33°31'54.2"E		
<b>55128</b>	2Ed. 3/18/00 LAST NM 20/04 Delete Solid line with land tint (hulk) Add Dangerous wreck [K28]	30/04 44°41'30.5"N 37°47'45.5"E 44°38'45.1"N 37°50'30.0"E		
<b>55129</b>	7Ed. 6/15/96 LAST NM 28/04 Add Dangerous wreck [K28] (11(1540)04 St. Petersburg)	30/04 44°38'45"N 37°50'30"E		
<b>55190</b>	2Ed. 10/5/96 LAST NM 15/04 Add Danger circle "Obstn" [K40] Depth 10 meters "Obstn" [K41] (11(1544), 15(2213)04 St. Petersburg)	30/04 45°25.5"N 36°40.9"E 45°34.7"N 36°06.0"E		
<b>55200</b>	2Ed. 8/17/96 LAST NM 20/04 Add Danger circle "Obstn" [K40] Danger circle "Obstn" [K40] (15(2207)04 St. Petersburg)	30/04 45°07.9"N 36°30.9"E 45°08.3"N 36°32.0"E 45°08.9"N 36°31.7"E 45°09.3"N 36°29.2"E 45°10.2"N 36°30.3"E 45°11.8"N 36°31.6"E		
<b>63331</b>	9Ed. 3/28/98 LAST NM 31/00 (Panel A) Delete Dangerous wreck Dangerous wreck "Masts" Dangerous wreck Add Stranded wreck [K24] marked by light Fl(2) 10s Depth 4.6 meters Dangerous wreck [K28] Dangerous wreck [K28] Dangerous wreck [K28] (10(1001)00 Taunton)	30/04 21°35'44.0"N 89°35'06.0"E 21°34'00.0"N 89°30'40.0"E 21°26'46.0"N 89°30'04.0"E 21°41'54.0"N 89°29'06.0"E 21°41'33.6"N 89°29'25.2"E 21°35'24.0"N 89°35'10.8"E 21°33'42.0"N 89°30'45.0"E 21°26'36.0"N 89°30'12.0"E		
<b>91220</b>	3Ed. 8/8/98 LAST NM 39/00 Add Depth 95 meters Depth 106 meters (10(1022)00 Taunton)	30/04 16°54'36"N 120°20'33"E 16°55'06"N 120°19'12"E		
<b>92030</b>	4Ed. 1/22/83 LAST NM 42/03 Add Dangerous wreck [K28] (10(1026)00 Taunton)	30/04 10°36.8"N 122°26.9"E		
<b>92350</b>	4Ed. 11/9/96 LAST NM 47/01 Add Dangerous wreck [K28] (10(1026)00 Taunton)	30/04 10°36'47"N 122°26'54"E		
<b>92356</b>	2Ed. 4/30/77 LAST NM 47/01 Add Dangerous wreck [K28] (10(1026)00 Taunton)	30/04 10°36'47"N 122°26'54"E		
<b>94016</b>	2Ed. 9/23/95 LAST NM 26/04 Add Submarine cable [L30.1] joining (10(260)04 Tokyo)	30/04 30°03.2"N 130°20.0"E 30°09.5"N 130°05.9"E 30°09.8"N 129°57.1"E 29°59.8"N 129°26.8"E 29°59.4"N 129°19.9"E 30°00.8"N 128°52.1"E 29°58.9"N 128°42.0"E 29°58.0"N 128°30.9"E 29°56.1"N 128°21.8"E 29°56.3"N 128°18.9"E 30°01.9"N 128°08.0"E 31°00.0"N 127°35.1"E		
<b>94028</b>	7Ed. 9/16/95 LAST NM 28/04 Add Submarine cable [L30.1] joining (10(260)04 Tokyo)	30/04 30°30.0"N 127°52.1"E 31°22.0"N 127°22.6"E 31°25.0"N 127°20.3"E 32°45.2"N 125°58.0"E		
<b>94360</b>	6Ed. 10/21/95 LAST NM 17/04 Change Characteristic of range light, front to Oc (BA LL)	30/04 38°58.8"N 117°43.8"E		

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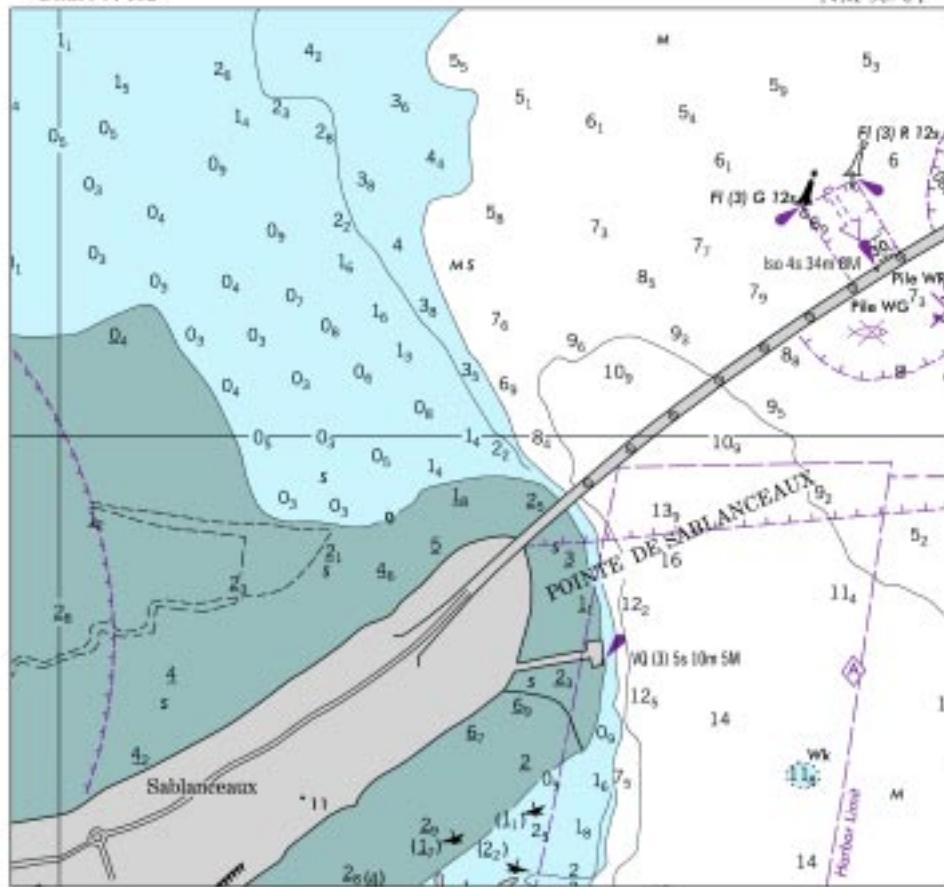
<b>94363</b>	4Ed. 11/21/92 LAST NM 21/04 Change Characteristic of range light, front to Oc (BA LL)	30/04 38°58'47"N 117°44'09"E	<b>97440</b>	8Ed. 6/21/97 LAST NM 9/04 Add Submarine cable [L30.1] joining (10(260)04 Tokyo)	30/04 29°53.0'N 130°47.0"E 29°56.9'N 130°32.0"E 29°59.5'N 130°28.1"E 30°09.5'N 130°05.9"E 30°09.8'N 129°57.1"E 29°59.8'N 129°26.8"E 29°59.4'N 129°19.9"E 30°00.8'N 128°52.1"E 29°58.9'N 128°42.0"E 29°58.0'N 128°30.9"E 29°57.7'N 128°30.0"E
<b>95268</b>	16Ed. 3/28/98 LAST NM 13/03 <b>(Plan A)</b> Change Light to Fl(2) R 7s 10m 5M Light to Fl(2) G 7s 14m 3M (Jpn LL)	30/04 36°47'15.0"N 137°05'02.6"E 36°47'12.8"N 137°05'00.8"E			
<b>95271</b>	4Ed. 2/7/98 LAST NM 36/03 Change Light to Fl(2) R 3s 11m 3M Light to Fl(2) R 7s 10m 5M Light to Fl(2) G 7s 14m 3M Light to Fl(2) R 6s 16m 5M Light to Fl(2) G 6s 16m 7M (Jpn LL)	30/04 36°53'19.0"N 137°00'07.9"E 36°47'15.0"N 137°05'02.6"E 36°47'12.8"N 137°05'00.8"E 36°46'55.2"N 137°06'51.5"E 36°47'02.1"N 137°07'07.9"E	<b>97469</b>	10Ed. 7/19/97 LAST NM 12/04 Delete Buoy "3" (51(1796)02 Tokyo)	30/04 26°10'48.0"N 127°46'51.0"E
<b>95272</b>	3Ed. 8/23/97 LAST NM 14/01 Change Light to Fl(2) R 6s 16m 5M Light to Fl(2) G 6s 16m 7M (Jpn LL)	30/04 36°46'55.2"N 137°06'51.5"E 36°47'02.1"N 137°07'07.9"E	<b>800744</b>	1Ed. 9/24/88 LAST NM N10/04 Change Visibility (range) of light "7" to 3M (25/04 CG14)	N30/04 21°18'03"N 157°52'09"W
<b>95300</b>	6Ed. 2/14/04 LAST NM 26/04 Change Visibility (range) of light to 7/3M (47(1735)03 Tokyo; Jpn LL)	30/04 35°31'29"N 132°58'18"E			
<b>96948</b>	8Ed. 7/1/95 LAST NM 22/03 Change Light to Fl(2) R 6s 12m 5M (47(1734)03 Tokyo; Jpn LL)	30/04 42°35'07"N 140°28'25"E			
<b>97026</b>	10Ed. 4/1/89 LAST NM 23/04 Add Submarine cable [L30.1] joining (10(260)04 Tokyo)	30/04 29°53.0'N 130°47.0"E 29°56.9'N 130°32.0"E 29°59.5'N 130°28.1"E 30°09.5'N 130°05.9"E 30°09.8'N 129°57.1"E 30°04.2'N 129°40.0"E			
<b>97153</b>	8Ed. 10/18/03 LAST NM 52/03 Delete Depth 4.2 meters Substitute Depth 0.1 meter for 1.5 meters Depth 5.4 meters for 4.3 meters (47(1731)03 Tokyo)	30/04 35°32'59.0"N 140°06'53.0"E 35°33'02.0"N 140°06'51.0"E 35°32'58.0"N 140°06'51.5"E 35°33'00.0"N 140°06'51.5"E			
<b>97202</b>	15Ed. 8/23/97 LAST NM 25/03 Add Pilot station symbol [T1.1] (20(535)04 Tokyo)	30/04 34°01'30.0"N 134°38'00.0"E			
<b>97229</b>	12Ed. 7/4/98 LAST NM 18/04 Add Berth designation "M" [F19] (See 18/04-97229) (10(261)04 Tokyo)	30/04 34°39'07.0"N 135°14'38.2"E			
<b>97241</b>	6Ed. 2/21/98 LAST NM 27/04 Add Fish haven symbol [K46.1] (20(537)04 Tokyo)	30/04 33°54'10.0"N 132°42'23.0"E			
<b>97360</b>	6Ed. 2/1/97 LAST NM 47/03 Add Submarine cable [L30.1] joining (10(260)04 Tokyo)	30/04 30°01'12"N 130°24'24"E 30°09'30"N 130°05'54"E 30°09'48"N 129°57'06"E 30°01'12"N 129°28'00"E			

## SECTION I

NM 30/04

Chart 37402

NM 30/04



# SECTION I

NM 30/04

Chart 11521

NM 30/04

CHARLESTON HARBOR ENTRANCE							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)
FORT SUMTER RANGE	43.9	48.1	48.0	41.3	3,4,5-04	1000	14.8
MOUNT PLEASANT RANGE	46.7	47.5	45.8	47.8	8-03	1000-600	1.6

A. FOR WIDTH OF 1000 FEET, THE PROJECT DEPTH IS 42 FEET FOR OUTER 100 FEET.  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 21/03 THROUGH NM 30/04**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12	1	27/04	11006	31	47*,49,50/03;3,5,6,13,16, 20,29/04	11359	11	49,50/03;19/04	11463	17	24/03*;11/04
13	1	27/04	11009	36	39,52/03;5,21,29/04	11360	40	23,24,25,26,27,29,30,34, 35,37,38,49,50,51,52/03;	11464	16	25/03
21	4	4/04	11013	45	38*,40,50,52/03;16, 19/04			1,2,3,5,7,11,13,14,15,20, 22,25/04	11465	36	22,40/03
22	1	4/04	11300	39	28*,30,31,32,34,35,36, 44,45,50,51/03;5,6,7,10,	11361	71	11*,12,13,17,19,23,24, 25,27/04	11466	36	30*,31,40/03;11,14/04
50	6	32*,34,40,50/03			15,18,20,23,25/04	11362	4	N23,N24,N25,N26,N27, N29,N30,N34,N35,N37, N38,N49,N50,N51, N52/03;N1,N2,N3,N5, N7,N11,N13,N14,N15, N20,N22,N25/04	11467	38	5,14,16,29/04
53	2	34,50/03	11301	23	24,32/03;1,7,17,25,27/04			11468	40	16/04*	
70	4	34/03	11302	30	48/03*;1,7,17,27/04	11363	39	11*,12,13,17,19,23,24, 25,27/04	11469	5	21,23,31,40/03;19,29/04
71	4	34/03	11304	12	5/04	11364	39	21,23,25,26,27,30,33,34, 35,43,50,51/03;1,4,6,13, 14,21,25,26,28/04	11470	36	40/03;16,29/04
73	4	34/03	11305	1	N32/03;N1,N13,N23, N26/04	11365	17	32,34,50/03;3,6,7,14,15, 20,23,25/04	11472	31	25,40/03;14/04
103	5	9/04	11307	36	22,24,27,35,52/03;1/04	11366	8	52/03*;1,3,5,7,11,12,13, 14,15,19,23,25/04	11474	10	52/03
105	4	28/04	11308	22	23,25,32/03;13,23/04	11367	32	38*,45,46,51/03;14,25, 28/04	11475	17	25/04*
108	9	34,39/03;19,21/04	11309	37	48*,50/03;1,13,23/04	11368	22	21,23,30,33,34,35,45,46, 51,52/03;14,28/04	11476	20	22*,29/04
120	6	39/03	11310	1	N22,N23,N32/03;N1, N12/04	11369	44	21,27,43,50/03;1,6,13, 28/04	11477	6	N15,N29/04
124	10	34,39/03;27/04	11311	23	26/03;1,12/04	11370	24	38/03*;4,13,18/04	11478	20	32*,50,52/03;13,29/04
125	7	21/03	11312	3	22,23,32/03;1,13,25, 26/04	11371	36	35*,48/03;4,6,12/04	11479	4	N23,N25,N31,N34,N40, N52/03;N19/04
126	39	21/03	11313	22	22,27,36,52/03;4,14,20, 25/04	11372	31	23,25,26,27,30,33,34, 35,43,50,51/03;1,4,6,13, 14,21,25,26,28/04	11480	38	30/03*;14,21/04
145	16	39/03;27/04	11314	23	15/04*	11373	33	48*,49/03;1,3,4,5,7,14, 18,20/04	11481	5	22*,29/04
200	3	37/03	11315	31	48/03*	11374	32	2*,7,14,17,20,22,24, 25/04	11482	22	11*,29/04
204	4	4/04	11316	39	22,26,29,34/03;1,15, 27/04	11375	35	23,24,27,29,47,51/03;1,7, 14,17,20,22,24,25/04	11483	33	22/03*
211	5	4/04	11317	30	12*,19,27/04	11376	49	48*,49/03;5,7,11,16,17, 19,20,23/04	11486	15	36/03*
301	1	21,24/03	11318	1	N14,N25,N44,N50/03; N11,N13,N23/04	11377	5	21,27,43,50/03;1,6,13, 28/04	11488	24	50/03;16/04
310	20	21,24,52/03;6/04	11319	31	25,26,29,30,34/03	11378	24	38/03*;4,13,18/04	11489	35	19*,29/04
400	3	29,33,34/03;6,19,25, 27/04	11320	1	N22,N23,N24,N52/03	11379	36	35*,48/03;4,6,12/04	11490	17	50/03;14/04
401	5	29,33,34,44/03;6,19,21, 25,27/04	11321	29	23,31,34/03;7,10,13,14, 19/04	11380	31	23,25,26,27,30,33,34, 35,43,50,51/03;1,4,6,13, 14,21,25,26,28/04	11491	33	30,34,50,52/03;14/04
402	4	27/04	11322	28	23,30,34,35,42,47/03;1,7, 14,17,27/04	11381	43	48*,49/03;1,3,4,5,7,14, 18,20/04	11493	9	N22,N31;03;N14,N29/04
411	49	22,23,24,25,26,29,30,31, 33,44,52/03;1,5,6,16,19, 21,25/04	11323	60	47*,49,51/03;1,3,5,6,9, 15,17,19,20,25,26/04	11382	40	48*,49/03;5,7,11,16,17, 19,20,23/04	11494	8	N22,N31;03;N14,N29/04
502	2	40,44/03;11/04	11324	33	47*,49,52/03;1,14,17,19, 20,26,27/04	11383	59	22,24,34,43,51/03;14,16, 21,25,29/04			
503	4	1,27/04	11325	35	26*,38,42,47/03;1,14,17, 27/04	11384	34	2*,13,24/04	11507	31	16/04
504	4	23,26/04	11326	32	15*,16,17,19,20,23,26/04	11385	26	23/04*	11509	27	24/03;14/04
510	3	40/03;17/04	11327	31	46*,52/03;1,14,16,17,19, 27/04	11386	19	23/04*	11510	19	25/04*
511	4	17/04	11328	23	43*,52/03;1,2,4,6,7,14, 17,23,27/04	11387	17	18*,20/04	11511	16	14/04
512	2	11,20/04	11329	35	48*,49,52/03;2,6,7,14,17, 23,27/04	11388	32	32,42,51/03;2,7,13,14,16, 17,23,24/04	11512	59	22,24,34,43,51/03;14,16, 21,25,29/04
513	6	34,50/03;18/04	11330	15	50*,51/03;1,2,4,5,6,7,10, 13,14,15,17,20,23,25, 26/04	11389	23	19*,20,23,24,26/04	11513	24	30/04*
514	7	16/04*	11331	19	12*,14,25/04	11390	23	2*,3,7,14,16,17,23,24/04	11514	26	22,24,34,43,51/03;14,16, 21,25/04
520	127	34,40,41/03;4,11,26, 27/04	11332	32	15*,16,17,19,20,23,26/04	11391	23	16*,20,23,24/04	11515	17	24/03
521	11	34,50/03;11,20/04	11333	29	24*,25,26,27/04	11392	40	18*,24/04	11516	30	43*,50/03;29/04
523	8	34,50/03;11,20,26/04	11334	23	43*,52/03;1,2,4,6,7,14, 17,23,27/04	11393	50	30/03*,13,24/04	11517	17	24/03
524	12	34/03	11335	68	37*,38,45,46,49,50,51, 52/03;1,2,3,4,5,6,7,10,13, 14,15,16,17,19,20,23,25, 26/04	11394	35	30/04*	11518	33	28,50/03;14,15,29/04
525	3	40/03	11336	38	48*,49,52/03;2,6,7,14,17, 23,27/04	11395	30	25/04*	11519	12	28/03*
526	10	26/04	11337	31	38/03/04/04	11396	22	10/04*	11520	41	38*,39,50/03;1,2,5,7,8, 14,27,29/04
530	30	21,22,24,34,40,41,44, 50/03;4,7,11,19,21,23,26, 27/04	11338	31	21,23,25,26,27,29,31,32, 43,47,48,50,51/03;4,9,24, 25/04	11397	23	2*,3,7,14,16,17,23,24/04	11521	27	30/04*
531	22	21/04*	11339	19	47*,49,51/03;4,14,25/04	11398	6	21,32,50/03;3,14/04	11522	19	39/03/14/04
532	17	34,50/03;11,15,20/04	11340	29	24*,25,26,27/04	11399	20	30,35,42,50/03;13,14/04	11523	21	24,28,34/03;14,29/04
540	17	16*,23,26/04	11341	40	18*,25,26,27/04	11400	35	30/04*	11524	47	18*,21,29/04
541	2	26/04	11342	52	27*,29,31,34,35,42,46, 47/03;1,6,13,14,17,27/04	11401	30	25/04*	11525	6	N24,N39,N50/03;N1,N2, N5,N7,N8,N25,N27, N29/04
600	5	45/03	11343	37	48*,49,50/03;4,17,27/04	11402	21	30*,34/03	11527	16	14,15,16,21,29/04
601	4	27,38/03	11344	35	22,23,26,27,29,31,34,38, 43,46,47/03;4,5,9,14,16, 17,24/04	11403	29	38/03*	11531	21	39/03
602	6	38/03	11345	31	38/03/04/04	11404	28	21/04	11532	20	39,43,50/03
604	5	38/03/22/04	11346	33	21,23,25,26,27,29,31,32, 43,47,48,50,51/03;4,9,24, 25/04	11405	29	38/03*	11534	33	19/04*
607	1	45/03	11347	33	21,23,25,26,27,29,31,32, 43,47,48,50,51/03;4,9,24, 25/04	11406	28	32/03*,15/04	11535	12	39/03/14/04
623	9	36/03	11348	20	43*,47,51/03;4,24,25/04	11407	14	13,14,15,16/04	11536	17	18*,27/04
624	3	7/04	11349	41	22*,23,25/04	11408	33	15/04*	11537	35	18*,19/04
703	4	44/03	11350	25	43/03*	11409	36	38*,52/03;14,15/04	11541	34	51/03*,9,11,12,19/04
706	4	44/03	11351	38	22,23,25,27,30,31,34,48, 50,51,52/03;1,3,5,10,12, 13,14,15,25,26/04	11410	35	10*,14,15/04	11542	16	25/04*
707	2	34,44/03	11352	37	13*,14,15,20,25/04	11411	34	38*,52/03;14,15/04	11543	22	38/03;1,19/04
708	3	34,36/03	11353	3	9*,13,14,19,26,28/04	11412	33	15/04*	11544	38	18*,19/04
709	2	25/03	11354	24	26*,31,34,48,51/03;1,10, 12,14,15/04	11413	40	15/04*	11545	61	16*,19/04
800	4	15,20/04	11355	26	23/04*	11414	40	15/04*	11547	36	16*,19/04
803	1	15/04	11356	35	38*,51,52/03;3,4,6,13,14, 15,16,25/04	11415	34	38*,39,52/03	11548	39	12/04*
1113A		21,22,25,52/03;16/04	11357	36	38*,52/03;2,3,5,12,14,15, 17,20,23,26/04	11416	30	39/03	11550	29	28/04*
1114A		30/04*	11358	52	41*,49,50,51/03;2,3,5,6, 7,14,19,23,25/04	11417	31	12/04*	11555	39	18/04*
1115A		23,24,25,26,27,29,30,34, 35,37,38,49,50,51,52/03; 1,2,3,5,7,11,13,14,15,20, 22,25/04	11359	37	13*,14,15,20,25/04	11418	12	25/04*	12200	47	6,16/04
1116A		37*,38,45,46,49,50,51, 52/03;1,2,3,4,5,6,10,13, 14,15,16,17,19,20,23,25, 26/04	11360	37	13*,14,15,20,25/04	11419	25	22/03	12201	25	N24,N32/03;N1,N2,N6, N7,N16,N25,N29/04
1117A		28*,30,31,32,34,35,36, 44,45,46,49,50,51/03;5,6,7,10, 15,18,20,23,25/04	11361	3	9*,13,14,19,26,28/04	11420	27	21,22,25,25,52/03;16/04	12204	35	33/03/5/04
5161	13	48/03*	11362	24	26*,31,34,48,51/03;1,10, 12,14,15/04	11421	34	38*,39,52/03	12205	28	43*,50/03;5,11/04
11004	7	21,22,23,24,25,26,27,29, 30,32,34,36,37,38,44, 51/03;1,3,4,5,6,10,13,14, 15,16,18,23,25/04	11363	26	23/04*	11422	30	50/0			

## SECTION I

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 21/03 THROUGH NM 30/04**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12224	23	33,45/03;9/04	12369	25	32,35,36,43/03;28/04	13318	18	21/03	14209		N38/03*;N15/04
12225	54	22*,33/03;9,28/04	12371	23	27*,52/03;19,25,28/04	13324	14	5/04*	14211		N40/03*
12228	30	16/04*	12372	32	8*,17,20,23,25,28,29, 30/04	13325	14	29/03;7/04	14212		N38/03*;N11,N15/04
12230	61	3*,20,26,28/04	12373	14	17/04	13326	13	25/04*	14213		N39/03*;N5/04
12231	26	30/03;28/04	12375	21	30/04	13394	3	21,42/03	14214		N39/03*
12233	36	16/04*	12378	14	23/03	13396	4	21/03	14215		N39/03*
12235	30	22*,28,29/04	12401	7	33,41/03;22,28/04	14000		N23/04*	14216		N39*,N44/03;N5,N15/04
12237	27	48/03*,28,29/04	12402	8	34,41/03	14001		N23/04*	14217		N43/03*
12238	38	6*,19,28/04	13000		N21,N26,N29/03	14002	57	23/04**	14218		N39/03*;N6/04
12241	21	34/03;2/04	13003	47	36*,39,44,45,48,52/03;6, 16,17/04	14003	6	29,39,48/03;6,16/04	14219		N40/03*;N6,N19/04
12243	13	12,20/04	13006	31	36*,39,44,45,48/03;6, 16/04	14004		N23/04*	14220		N39/03*
12244	13	20/04	13009	30	23,36,39,44,45,48/03;6, 16/04	14005	78	23/04**	14222	16	40/03**
12245	63	26/04*	13200	33	36,39,44,45,48/03;6/04	14006		N23/04*	14223	18	38/03**
12248	40	44/03*:4,15/04	13201	10	N36,N39,N44,N45, N48/03;N6/04	14007		N38/03*;N14/04	14224		N39/03*
12251	23	26/03;12,27/04	13203	12	48/03	14011		N23/04*	14225	17	39/03**
12252	24	25*,28/04	13204	12	44/03;6/04	14012		N29/04*	14226	32	39/03**
12253	43	35/03*:2,10,13,15,19,27, 28/04	13205	36	23/03;2,17,25,29/04	14013	82	29/04**	14227	28	39/03**
12254	44	16/04*	13209	23	23/03;2,17,25/04	14014		N29/04*	14228	11	39/03**
12255	15	30,34/03	13211	13	45/03;29/04	14015		N29/04*	14229		N39/03*;N5/04
12256	14	48/03*:2,12/04	13212	36	18*,25/04	14016		N29/04*	14240	6	43/03**
12261	22	28,48/03;20/04	13213	41	18*,20,23/04	14017		N29/04*	14241	23	39/03**
12263	53	11*,14/04	13214	27	2,17,28/04	14018		N29/04*	14242	13	40/03**
12264	28	42,44,48,52/03;26/04	13215	17	6,28/04	14019		N29/04*	14243	8	39/03**
12266	28	8/04*	13216	1	N2/04	14020		N29/04*	14244	5	39/03**
12270	33	15/04*	13217	14	6/04	14021		N29/04*	14245	4	39/03**
12272	29	30,33,38/03;7/04	13218	38	46,50,52/03;19,20,22,23, 24,29,30/04	14022		N29/04*	14246	6	39/03**
12273	54	47/03*:7,20,29/04	13219	12	26/04	14023		N29/04*	14247		N39/03*;N5,N6/04
12274	33	30,33/03;20,29/04	13220	51	15*,19,20,23,26,28,29/04	14024		22,36,47/03	14248		N40/03*
12277	32	35*,51/03;20,26,29/04	13221	13	45/03;29/04	14025		29,34/03**	14249		N39/03*;N5/04
12278	73	8/04*	13222	11	22,23/04	14026		47/03	14250		N40/03*
12280	4	52/03*:2,7,9,28/04	13223	28	12*,13,19,22,23,24,30/04	14027		47,49/03;9/04	14251		N40/03*
12281	49	25,38,44,48,49/03;1,16, 20/04	13224	51	15*,19,20,23,26,28,29/04	14028		47,49/03*	14252		N40/03*;N14/04
12282	34	43/03*	13225	37	16*,20,23,29/04	14029		47,49/03*	14253		N40/03*
12283	25	29/04*	13226	37	22*,26,28/04	14030		47,49/03*	14254		N40/03*
12284	15	42,48/03;26/04	13227	33	15,19/04	14031		47,49/03*	14255		N40/03*
12285	36	19/04*	13228	6	17*,19,29/04	14032		47,49/03*	14256	3	40/03**
12286	29	42,52/03;28/04	13229	13	49/03;19/04	14033		47,49/03*	14257	47	40/03**
12288	19	9/04	13230	28	12*,13,19,22,23,24,30/04	14034		47,49/03*	14258	37	40/03**
12289	48	22/03;13/04	13231	47	15*,19,22,23,24,30/04	14035		47,49/03*	14259	12	40/03**
12300	43	39,44,48,49/03;6,17,20, 28/04	13232	4	19,23,28/04	14036		47,49/03*	14310	2	40/03**
12301	21	N39,N44,N48,N49/03; N6,N20,N28/04	13233	16	39/03;4,22,23/04	14037		47,49/03*	14319		N19/04*
12304	43	21*,26,48,52/03;2,5,9,22, 26,28,30/04	13235	6	23/04*	14038		47,49/03*	14325	13	6/04
12311	42	38*,48,51/03;1,10,16,22, 27,28,29/04	13236	29	50/03;1/04	14039		47,49/03*	14328	6	47/03;9/04
12312	52	24,32,51/03;1,10,16, 22/04	13237	39	32/03	14040		47,49/03*	14329	5	32,47,49/03;1/04
12313	49	35*,43,52/03;8,15,22, 29/04	13246	37	36*,42/03	14041		47,49/03*	14340	25	22,30,49/03;1,9,15/04
12314	30	25,33,35/03;19,22,28/04	13249	12	22/03*	14042		47,49/03*	14341	5	34,47,49/03
12316	30	12*,19,28,30/04	13260	39	36*,39,42,45/03;16/04	14043		47,49/03*	14342	20	30,49/03;9/04
12317	32	28/04*	13263	7	NP21,N23,N26,N29, N36,N39,N42,N45/03	14044		47,49/03*	14344	2	49/03
12318	41	32,44/03;6,22,28,30/04	13264	103	P21,26,29,39,42,49/03;	14045		47,49/03*	14345	5	22,49/03
12323	23	6/04	13267	31	47/03*:9,23/04	14046		47,49/03*	14347	9	42,47/03;5,6/04
12324	31	15*,19,28/04	13269	9	7,9/04	14047		47,49/03*	14353	3	42/03
12326	49	35*,49/03	13270	60	50/03*:9,15/04	14048		47,49/03*	14354	2	32,42,50/03
12327	97	48*,49/03;17,20,22,24, 27,28,30/04	13272	48	18*,20,23/04	14049		47,49/03*	14355	50/03	
12331	30	33/03;22/04	13274	25	43/03*:6,15,23/04	14050		47,49/03*	14357		N49/03;N4,N15/04
12332	21	22/04	13275	28	45/03*:15/04	14051		47,49/03*	14358		N34,N47/03;N1,N5, N15/04
12333	33	44*,49/03;17,24,28/04	13276	22	36/03*	14052		47,49/03*	14360	36	47/03;4,5,6,15/04
12334	67	25*,28,30/04	13278	25	32,39/03;23/04	14053		47,49/03*	14364	6	4/04
12335	40	47/03*	13279	30	32,39/03;17,23/04	14054		47,49/03*	14373	2	34,49/03;1,4/04
12337	22	22/04	13281	17	17,23/04	14055		47,49/03*	14380	19	49/03;6/04
12338	9	21/03*:19/04	13282	11	21*,39/03	14056		47,49/03*	14386	3	6/04
12339	44	50/03*:23/04	13283	18	4,6/04	14057		47,49/03*	14404	4	47/03
12341	26	36/03*	13285	10	4/04	14058		47,49/03*	14415	4	36/03
12343	18	21,27/03	13286	30	22/04*	14059		47,49/03*	14420	27	40/03**
12345	10	21/03	13287	11	20/04	14060		47,49/03*	144756		N50/03;N11/04
12347	29	27,29,35/03;24,26,28, 30/04	13288	40	29,42,44,45/03;20,23/04	14061		47,49/03*	144757		N15/04
12348	33	27,29,34/03;26/04	13290	35	39*,42,44,49/03;20,23, 29/04	14062		47,49/03*	14758		N32,N49/03
12350	58	17/04*	13292	36	29,42,44,49/03;20,23,	14063		47,49/03*	14769		N13/04**
12352	30	46/03*:26/04	13293	33	27/03	14064		47,49/03*	14773	16	26/03
12353	18	8*,26/04	13296	25	27/03	14065		47,49/03*	14782	24	47/03
12354	41	26*,30/04	13301	20	23,42,45/03	14066		47,49/03*	14784	19	47/03
12363	39	23,27,32,36/03;30/04	13302	21	32,42,45,52/03;8/04	14067		47,49/03*	14785	17	18/04*
12364	34	23,25,27,32,36,39/03;29, 30/04	13305	28	36,44/03;8/04	14068		47,49/03*	14786	13	49/03;19/04
12365	26	23/03	13307	10	23,28,44/03;8/04	14069		47,49/03*	14791	18	22/04*
12366	27	27/03	13308	12	22/04*	14070		47,49/03*	14800	9	20/04
12367	23	30/04	13309	28	32,52/03;15/04	14071		47,49/03*	14802	30	20/04
12368	26	24,25/03;30/04	13313	19	36/03	14072		47,49/03*	14803	26	49/03
12369	22	28/03*	13316	22	28/03*	14073		47,49/03*	14805	24	21/04*
12370						14074		47,49/03*	14811	16	20/04
12371						14075		47,49/03*	14813	21	49/03;19/04
12372						14076		47,49/03*	14815	22	43/03
12373						14077		47,49/03*	14816	24	17/04*
12374						14078		47,49/03*	14820	20	15*,24/04
12375						14079		47,49/03*	14824	26	5*,19/04
12376						14080		47,49/03*	14826	27	49/03;8,20,30/04
12377						14081		47,49/03*	14829	6	15*,30/04

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14830	30	31*,34,47/03;15,20, 30/04	15046	4	47/03;14/04	16553	4	22/04*	17376	6	16/04
14832	34	49,51/03;24,26/04	15061	3	50/03	16561	1	29,35,44/03;25/04	17377	1	16/04
14833	26	18*,19,24/04	15064	1	50/03	16566	10	29,44,49/03	17378	14	17/04*
14835	31	7/04	15066	5	32,47/03	16575	1	1/04	17379	1	16/04
14836	27	10/04	15067	2	47,49/03	16576	4	47/03*	17381	10	16/04
14837	27	5/04	15069	4	47/03	16580	12	9*,18/04	17382	15	36/03;13,16,28/04
14839	36	43,49,51/03;5,8/04	15070	3	49/03	16590	10	1/04	17383	1	16/04
14841	28	14*,30/04	15074	1	6/04	16591	9	16/04*	17384	8	15/04*
14842	13	46*,51/03;10,26/04	15080	1	47/03	16592	9	1,18/04	17385	14	13,16,18/04
14843	23	18/04*	15083	6	14/04	16593	11	1/04	17386	3	16,18/04
14844	32	18*,26/04	15160	5	50/03	16594	13	1/04	17387	13	16/04
14845	27	14*,26/04	15163	2	50/03	16595	14	1/04	17400	16	44/03;14,16/04
14846	12	16/04*	15300	N10/04		16596	12	1/04	17401	11	18/04*
14847	30	43,47/03	15444	N19/04*		16597	8	1,28/04	17402	10	16/04
14848	56	21,22/03;15,20/04	15563	N20/04*		16598	9	1,28/04	17403	13	16/04
14850	52	2*,24/04	15569	N23/03		16599	6	1,28/04	17404	12	16/04
14852	45	21/03;2,10,15,21,24, 26/04	15570	N23/03		16601	10	1/04	17405	14	25,46/03;16,18,26/04
14853	14	26/03*;10,15,21,24, 26/04	15690	N35/03		16603	8	48/03*	17406	7	17*,26/04
14854	13	15/04	15946	N47/03		16604	11	1/04	17407	15	10/04*
14860	35	26,30/04	16003	16	36,48/03	16605	8	1/04	17408	7	16/04
14862	28	26,30/04	16004	11	48/03	16606	11	21/03;1/04	17409	10	44/03;16/04
14864	26	1,8/04	16005	9	36,48/03	16608	4	46/03*	17412	2	49/03
14865	16	26/04	16006	33	32,35,36/03;1,15,21,27, 28/04	16640	24	21/03;1,17/04	17413	2	44/03
14867	26	39/03*;25/04	16011	35	29,31,32,35,44,50/03;1, 27,28/04	16645	18	1/04	17420	26	36/03;13,30/04
14869	26	8/04	16012	21	34,50/03	16646	12	1,25/04	17422	8	13,29/04
14871	2	34/03	16013	29	10/04*	16647	3	1/04	17423	13	13/04
14880	31	15/04*	16016	20	9/04*	16648	4	1/04	17424	7	22/04*
14881	31	8/04	16041	8	48/03	16660	29	17/04*	17426	13	19/04
14883	43	15*,19/04	16067	7	1/04	16661	6	17/04	17427	7	21,36/03
14886	11	41/03*	16081	6	1/04	16663	7	17/04*	17428	7	36,43/03;13,29/04
14901	14	7,10,26/04	16082	7	25/04*	16665	8	15/04*	17429	2	N13,N29/04
14902	28	8,10,26/04	16083	6	9/04*	16680	10	32,37/03;15/04	17430	10	36/03;13/04
14903	23	31/03*;2,7,04	16085	6	15/04*	16682	16	17/04*	17431	11	21/04*
14904	26	40/03*;1,26/04	16086	7	18/04*	16683	10	17/04*	17432	7	23/04*
14905	30	45/03*;7/04	16087	7	5/04*	16700	28	40*,43,50/03;11,12, 14/04	17434	11	36,43/03;13/04
14907	25	10/04	16102	5	9/04*	16701	19	37/03*;12/04	17435	16	40,49/03;13/04
14908	18	22/04*	16124	6	3/04*	16702	11	37/03*;12/04	17436	6	19/04
14909	19	49/03;10/04	16200	13	36/03	16704	13	12/04	17436	7	22/04*
14910	23	24/04	16204	6	22/04*	16705	19	43/03;12/04	17437	8	21/03
14911	20	10/04	16206	7	46/03;5/04	16706	10	12/04	17438	12	21,36/03;22,30/04
14912	17	31/03*	16220	5	36/03;15/04	16707	10	5,12,17,26/04	17441	7	22,30/04
14913	18	31/03*;8,10,15,20/04	16240	10	15/04*	16708	25	50/03;12/04	17445	2	36/03;22,30/04
14915	25	28/03*	16300	9	25/04*	16709	22	11,12,26/04	17460	N19/04*	
14916	10	1,19,26/04	16305	10	25/04*	16710	16	10,12,14/04	17464	4	12/04
14917	27	1,19,22*,24,26/04	16315	10	1/04	16711	2	12/04	17470	N23,N41/03	
14919	27	1,7/04	16322	8	22/04*	16712	1	12/04	17471	N47/03*	
14922	19	5/04	16323	9	3/04*	16713	2	12/04	17472	4	36,41/03
14924	27	49/03;2/04	16338	4	17*,28/04	16723	15	6,12/04	17478	4	36/03
14926	10	33*,47/03;7,8,10,20, 24/04	16343	7	1/04	16741	10	16/04*	17482	N41/03	
14927	24	47/03;7,8/04	16381	8	25/03	16742	16	1/04	17483	N41/03	
14928	21	7,10,20/04	16382	10	6/04	16762	9	12,14/04	17484	3	41/03
14929	24	7/04	16420	10	46/03*	16763	10	24/04*	17485	4	41/03
14930	25	15/04*	16423	2	47/03	16764	23	21,25/03	17513	N9,N12/04	
14932	23	26/03*;1,5,19/04	16431	7	50/03*	16765	20	25/03;25/04	17515	7	36,43/03;12/04
14933	24	1,30/04	16433	8	14/04*	16766	18	49/03	17517	8	34/03;30/04
14934	27	26/03;1/04	16434	6	29/04*	16767	10	24/04*	17518	7	41,47/03;10,17/04
14935	21	1,10/04	16435	6	24/04*	16768	23	21,25/03	17520	2	N34/03
14937	24	10/04	16442	7	41/03*	16769	20	18/04*	17523	N19/04*	
14938	23	1,7/04	16446	8	30/04*	16770	5	39/03	17524	N49/03	
14942	25	1/04	16463	7	3/04*	16771	16	14/04*	17525	N43/03	
14961	12	3*,26/04	16474	8	18/04*	16772	10	22,29,39/03;5,25/04	17526	N19/04*	
14962	20	16/04*	16477	7	18/04*	16773	13	39/03/04	17528	N19/04*	
14964	21	18/04*	16478	10	5/04*	16775	7	29/03	17543	17	43/03;14/04
14965	21	2/04	16480	10	34,50/03	16776	21	46/03*;26/04	17545	13	43/03;12,14/04
14966	26	15/04*	16484	7	14/04*	16778	7	10/04*	17546	22	24,34,35,43/03;14/04
14967	22	26/04	16486	7	24/04*	16779	8	10*,14/04	17548	28	43/03;30/04
14970	25	1/04	16487	6	20/04*	16780	7	14/04	17549	6	3/04
14972	25	1,26/04	16490	8	6/04*	16781	13	3*,14/04	17550	4	43/03;3,6/04
14974	24	5/04	16500	9	33/03	16782	6	14/04	18000	8	21,36,44/03;11,21,22/04
14975	33	43,49/03;10,24/04	16501	7	16/04*	16783	8	14,17,28/04	18002	6	N21,N36,N44/03;N11, N21,N22/04
14982	9	16/04*	16511	7	17*,28/04	16787	13	14/04	18003	19	22*,41,43/03;3,6,22, 30/04
14983	9	46/03*	16514	4	14/04*	16788	13	14/04	18005	4	N21,N26,N40/03;N4, N10,N21/04
14985	9	41/03*	16516	7	24/04*	16789	11	14/04	18006	3	N21/04
14986	9	46/03*	16517	6	16/04*	16790	8	14/04	18007	31	22,24,26,35,41/03;4,5,6, 7,16,22,24,27/04
14987	9	3/04*	16520	22	25/04*	16791	33	31*,36/03;13,14/04	18008	7	N22,N24,N26,N35,N37, N41/03;N4,N5,N6,N7, N16,N22,N24,N27/04
14988	10	41/03*	16522	6	16/04*	16792	10	14/04	18009	2	N26,N40/03;N10/04
14990	4	6/04*	16528	16	33/03;6/04	16793	13	14/04	18010	20	26,33,40,47/03;4,5,7,16, 24,27/04
14991	10	8/04*	16529	15	24/04*	16794	12	14/04	18020	37	47/03*;1,4,7,11,19,21,22, 24,25,26,29/04
14993	12	16/04*	16530	6	33/03;6/04	16795	11	14/04			
14994	11	21/04*	16535	12	21,31/03	16796	6	14/04			
15017	4	10/04	16540	11	27/04	16797	10	3/04*			
15043	3	34,47/03	16547	9	18/04*	16798	11	48/03*			
15044	3	34,47/03;1/04	16549	15	41/03*	16799	21	25/04*			

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18022	34	3*,4,7,11,13,19,21,22,23, 24,25,26,28,29/04	18603	16	5,16/04	19322	8	14/04*	22143	4	26*,29/03;11,25/04
18400	44	41*,43,47,49/03;3,8,10, 17,27,28,30/04	18620	23	4,7,24,27/04	19324	22	23/03;13/04	22145	2	N25/03
18401	12	34/03	18622	53	30/04*	19327	10	23,43/03	22160	2	25/03;7/04
18409	8	41/03	18623	11	4,7/04	19329	8	10/04*	22170	3	25/04
18413	15	22/03	18640	24	26,38,42/03;4/04	19330	10	14/04*	22172	8	29/03;11/04
18414	9	3/04	18643	17	26*,33,41,43/03;19/04	19331	7	23,43/03	22173	36	29/03;11,17,21/04
18415	8	22,32,39,47,50/03;3,9,10, 22/04	18645	24	33,38/03;5/04	19339	1	N30,N47/03;N8,N10, N23,N24,N26/04	22180	2	32/03
18416	6	22,46/03;17/04	18649	63	48*,50/03;2,5,11,16,19, 20,21,25/04	19340	26	29,30,36,47/03;8,10,13, 23,24,26/04	22181	17	10*,17/04
18419	11	46/03;1,9/04	18650	52	47/03*;11,19,20,21/04	19342	10	15*,19/04	22182	7	10*,11/04
18420	1	22,47,49,50/03	18651	42	48/03;16/04	19347	17	29/03;23/04	22183	4	52/03*;21/04
18421	46	50/03*;8,9,17,22,27/04	18652	32	36*,40,43,46,48,49/03;5, 11,16,19,20,25,26,29/04	19348	8	15/04*	22190	2	29/03
18423	34	12*,13,17,22,27,28/04	18653	9	21,43,50/03;16,20,25/04	19351	9	23/04	22221	20	31,34/03;1/04
18424	25	45/03	18654	43	22/04*	19353	12	27/03;6/04	22222	1	31/03;1/04
18427	22	18/04*	18656	53	21,33,40,43,48/03;11,26, 29/04	19357	22	30,36,47,50/03;10,13/04	22225	2	40/03
18429	9	22/03;27/04	18657	18	21,40/03;26/04	19359	11	8/04*	22233	29	25,37/03
18430	8	5*,17,27/04	18658	30	17*,26/04	19361	8	5/04*	22234	1	1/04
18431	6	1,22/04	18659	14	21,43,48/03;29/04	19362	12	10,13,14/04	22250	2	4/04
18432	5	22/04	18660	2	29*,43,49/03;21,26, 29/04	19366	36	50/03;10,13,14/04	22251	11	28/03
18433	5	22,32,36/03;9,17,22/04	18661	27	43,49/03;13,17,21,26, 29/04	19367	37	50/03;30/04	22252	18	2,21/04
18434	5	2*,13,17/04	18662	20	43,44/03	19369	5	36,50/03;10,14,30/04	22259	4	24/03;2/04
18440	27	3*,8,21,22,28,30/04	18663	5	43/03;17/04	19379	1	N30,N46/03;N12,N13, N16,N22,N29/04	22262	3	13/04
18441	43	39*,45,47,51/03;6,8,17, 22,28/04	18666	1	21,33,48/03	19380	15	8*,12,16,22/04	22263	1	26,37/03;4/04
18443	16	16/04*	18666	20	43,44/03	19381	8	26/03;7,12,16,22,29/04	22264	2	24,26,37,41/03
18444	15	34/03;1/04	18666	1	21,33,48/03	19382	15	26/03	22275	3	26/03;2/04
18445	30	13*,21,22,28,30/04	18680	30	33,35,38,40/03;19/04	19383	17	23/04	22281	9	4,13/04
18446	16	47*,51/03;8,22,28/04	18682	14	10/04*	19385	8	3*,16/04	22282	17	4,14/04
18447	27	28/04*	18685	32	36*,46/03;17,19,22/04	19387	9	N46/03;N12,N23/04	22283	3	N14/04**
18448	33	1*,8,13,17,21,22,28, 30/04	18700	22	40/03*;13,21/04	19441	7	28/03*	22284	7	N5/04**
18449	18	50*,51/03;6,22/04	18703	25	40/03*;7,13/04	19442	5	26/03	22285	1	14/04*
18450	18	18*,22/04	18704	13	30/04*	19480	7	6/04	22286	1	5*,13/04
18452	16	34,38/03	18720	31	25/03;11,21,23,24,25, 29/04	19482	9	6/04	22290	4	30/03
18453	24	25,36,38,42/03;6,22/04	18721	11	39/03;21/04	21005	5	15/04	22293	15	26,37,38/03;21/04
18454	4	N28/04	18724	1	22*,25/03;15,23/04	21008	62	36/03	22294	15	16,21/04
18455	2	N34,N38/03	18725	27	32/03*;19,21,23,24, 25/04	21033	46	1/04	22305	2	24,30,34/03;27/04
18456	19	21,30/04	18728	8	29/04	21036	7	1/04	22311	19	13/04
18458	15	28,34,38/03;13/04	18730	1	N29/04	21125	13	36/03	22312	2	30/03;9/04
18459	5	N28,N34,N38/03;N13/04	18740	40	46*,49/03;1,5,7,14,19,22, 23,24,25,26,28,29/04	21140	1	27,36/03;7,19,22/04	22313	2	38,40/03;13/04
18460	11	43/03;3,17,30/04	18741	18	N27,N38/03;N1,N7,N14, N19,N22,N25,N26/04	21160	1	15/04	22314	1	40/03
18464	23	24*,30/04	18744	31	29/04*	21180	1	15/04	22322	11	33/03**
18465	36	18*,27,28/04	18746	35	11*,19,25/04	21384	4	11/04*	22331	2	N24/03;N1,N2,N27/04
18471	9	36/03*;8,28/04	18747	38	21,26,28,31,39,41,49, 50/03;5,7,22/04	21441	27	15/04	22335	4	52/03;27/04
18473	7	34,38,45,47,51/03;6,8,22, 28/04	18751	42	21,26,28,31,39,46,49, 50/03;5,7,19,22/04	21482	1	36,46/03	22341	9	21,29,52/03;2,27/04
18474	8	5*,8,22,30/04	18754	17	39*,43/03;23/04	21520	1	29/03	22342	9	21,29/03
18475	1	35/03	18756	8	14/04*	21525	19	38/03	22343	1	N21,N41,N52/03;N2, N27/04
18476	5	18*,04*	18757	10	41/03;5/04	21543	13	9/04	22344	6	N23*,N52/03
18477	5	6,22,28/04	18758	6	33,49/03;4,11,13,23/04	21544	20	24/04	22345	11	24/03
18480	29	43/03;3,6,30/04	18760	6	N25,N35,N36,N44/03; N1,N7,N11,N19,N21, N22,N24,N25,N26, N29/04	21546	3	24/04	22347	6	N23/N3,27/04
18484	11	18*,30/04	18761	2	N1,N16,N28/04	21580	40	52/03	22351	1	N35,N41,N52/03;N2, N27/04
18485	15	29/03;17,30/04	18763	10	18*,23,28/04	21581	5	41/03	22352	6	24,35,52/03;1,2,27/04
18500	29	22/04*	18765	15	27,46/03;7,14,16,19,20, 22,26/04	21582	3	16/04	22360	2	52/03;2,27/04
18502	84	21,28,29,42,47,52/03;21, 24,26,27/04	18766	7	27,36/03;7,19,22,26/04	21584	2	41/03	22361	2	N30,N32,N33,N34, N52/03;N2,N27/04
18504	65	35/03;3,21,27/04	18768	4	N27,N36,N38/03;N7, N19,N22,N26/04	21601	4	31/03	22370	2	26,30,33,34/03;2/04
18520	24	22/03;14,22/04	18769	2	N1/04	21603	9	31,36/03;11/04	22371	5	30,32,33,52/03;2,4,2,27/04
18521	70	5*,13,14,19,20,20/04	18772	47	21*,48/03;23/04	21605	7	31/03	22373	1	N24,N30,N32,N33, N34/03;N3,N27/04
18523	54	5*,8,13,19,20,27/04	18773	39	40*,41/03;4,14,12,23/04	22004	38	29/03;2,7/04	22375	1	N26,N37/03
18524	34	30/04*	18774	10	49/03;4,11,13,14,19,23, 25,26/04	22008	28	51/03;2,21,22,04	22377	1	N2,N4/04
18525	34	25/04*	18775	2	N1,N16/04	22050	4	26/03	22379	1	N30,N32/03
18526	56	15*,17,19,20,20/04	19002	9	N23,N29,N46/03;N6,N8, N12,N16,N22,N23,N24, N26,N29/04	22051	18	5,16/04	22395	2	22,26,30/03
18527	21	48/03	19003	4	23,29,46/03;10,12,16,19, 23,26/04	22052	7	24/04*	22401	4	N23*,N30/03
18531	21	15*,19,20,22/04	19004	37	18*,23,24,26/04	22053	4	N20/04**	22407	1	N30/03
18532	20	52/03	19007	17	21*,23,26/04	22054	1	20/04*	22408	1	N21/03
18539	9	21/04*	19008	4	23,29,46/03;10,12,16,19, 23,26/04	22084	4	35,37/03;15/04	22409	4	N22/03
18543	2	15/04*	19009	4	23,29,46/03;10,12,16,19, 23,26/04	22101	19	37/03	22412	2	2,4/04
18545	15	50/03*	19010	18	18*,19,22,23,24,26/04	22102	19	25/04	22413	8	2,4/04
18546	10	19/04*	19013	17	18*,22,23,24,26/04	22103	2	25/04	22415	8	2,4/04
18551	8	18/04*	19016	10	3*,19/04	22112	3	37/03;5,10,25/04	22417	1	N25/03;N1/04
18553	7	24/04*	19017	17	28/03*	22113	8	5,10,25/04	22420	2	30,40/03
18556	25	17/04*	19019	9	28/03*	22114	5	33,37/03;5/04	22421	4	N23,N25,N26,N27/03;
18558	37	48/03;1/04	19020	16	23/03;6,8,12,22/04	22117	3	37/03;5/04	22429	6	N4/04
18561	12	12*,22/04	19021	18	18*,23,24,26/04	22120	3	29,32/03;7/04	22430	3	35/03;22/04
18580	21	51/03;17/04	19023	17	21*,23,26/04	22121	9	29,32,47,51/03;18/04	22433	3	22/04
18581	17	36,50,51/03;14/04	19024	16	23,29,46/03;10,12,16,19, 23,26/04	22124	2	29,32/03	22434	2	35/03
18583	38	43/03	19026	17	18*,22,23,24,26/04	22130	2	29,32,38/03;2,7/04	22437	2	22/04
18584	47	30,48,52/03;1,13,27/04	19027	19	18*,23,24,26/04	22132	3	11/04*	22461	1	21/04
18585	69	30/04*	19028	16	23/03;6,8,12,22/04	22140	2	25,47/03;7/04	22471	31	2,6,8,22,27/04
18588	37	22*,36/03;22,26/04	19030	18	18*,19,22,23,24,26/04	22142	2	25,40,47/03;7/04	22481	35	2/04
18589	15	44/03;22/04	19032	16	23/03;6,8,12,22						

## SECTION I

NM 30/04

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 21/03 THROUGH NM 30/04**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
22492	3	34/03	24381	14	28/04	26122	30	22/03*,30/04	35055		N23/04*
22521	3	34/03	24390	3	28/04	26125	3	41/03	35060	14	28/04**
22523	3	34/03	24404	8	11,24/04	26127	21	11/04	35080	16	23/04**
22529	3	35/03	24430	5	31,52/03;24/04	26129	11	41/03	35081	15	28/04**
22531	2	35/03	24431	14	31,52/03	26130	20	11/04	35082	7	22,27/03
23000	5	51/03	24433	3	52/03	26147	31	19/04	35086	5	22/03
23010	4	24/04	24434	4	52/03	26186	17	14/04	35088	2	28/04**
23020	4	22/03	24444	2	23/04	26188	11	15/04	35100	14	23/04**
23030	6	21,22,37,42/03;14/04	24450	3	26,47/03;6,30/04	26218	2	31/03	35101	6	16/04
23071	3	24,29/04	24453	5	26/03	26219	5	31/03	35120	13	23/04**
23121	7	19/04	24454	5	26/03	26220	6	11/04	35130	3	24/04
23123	3	19/04	24460	4	29,32,47/03;30/04	26229	11	31/03;9/04	35136	2	24/04
23124	3	N19/04	24461	4	38,47/03;30/04	26230	12	31/03;9/04	35155	3	25/03
23125	4	19/04	24462	5	29/03	26282	6	22,23,34/03	35200	7	28/04**
23131	7	22/03;30/04	24463	6	25,26,38/03;13/04	26290	1	21/03**	35350	2	23/04
23141	7	22,37/03	24465	6	38/03	26295	1	21*,22,34/03	35363	1	12/04
23142	10	37,47/03	24470	4	13/04	26300	7	21/03*	35365	1	12,23/04
23145	3	37,51/03;14/04	24480	1	24,27,42,48/03;21/04	26308	5	21*,22,23,34/03	35380	8	12/04
23153	8	49/03	24482	2	31/03	26309	27	11/04*	35390	2	12/04
23159	2	25/04	24484	3	31/03	26310	1	N48/03*	35400	11	18/04
24004	36	41,42,46/03	24490	3	25,27/03	26312	2	21/03	35420	13	12,18/04
24016	53	13/04	24491	3	27/03	26316	3	21/03	35424	3	18/04
24024	46	25/03	24500	1	7/04*	26320	5	22,23,25,31,40/03;19/04	36005	2	24,25,27,31,43,44/03;13,23,26,27/04
24028	6	28/04	24501	3	27/03	27005	4	22,23,34/03;19/04	36010	27	23,43/03
24050	11	31,32,33,51,52/03;6,14/04	24502	6	27,34,47/03	27042	21	41,42/03;10/04	36015	2	27,44/03;13,26/04
24052	15	21,30,42,44,50/03	24504	7	42,48/03;21/04	27060	2	22,23,34/03	36040	16	6/04
24055	6	21,42,50,51,52/03;6,26/04	24508	3	22/03*-24/04	27061	5	28/04	36060	17	21/03;2,17/04
24057	4	30,33,42,52/03;4,6,26/04	24510	2	42/03;21,24,30/04	27081	6	19/04	36120	9	23,27/03;17/04
24058	2	22,28,29,30,42,44/03;7,9/04	24511	2	24,42,48/03	27082	6	19/04	36125	7	30/03
24060	2	32/03	24512	3	24,25,38,42/03;24/04	27083	39	28/03;4,24/04	36140	12	27/03;13/04
24091	6	21,46/03;22/04	24513	18	38,42/03;24/04	27100	2	21/03	36143	4	30,43/03
24092	14	23/04	24517	2	25,40,42/03	27102	11	28/03	36161	10	21/04
24100	5	46/03	24501	7	52/03	27120	4	16,30/04	36165	6	27,30,43/03;21/04
24103	3	10/04	24518	9	25,31,34,39,52/03	27122	5	19/04	36180	23	27,44/03;13/04
24110	3	35/03	24540	2	20/04*	27160	2	35/03	36181	18	13/04
24133	6	31/03	24548	1	52/03;8/04	27206	18	9,25/04	36182	6	27/03;13/04
24140	18	41,42,46/03;6,7,11,22/04	245483	20	8/04	28004	1	22,03/27/04	37000	22	23,43/03
24142	43	7,11/04	245485	45	36/03;10,30/04	28006	1	27/04	37005	16	23,28,29,30,50,51/03;5,8/04
24149	1	52/03	245487	2	36/03;10,30/04	28154	2	38/03	37010	23	23,27,28,29,30,43,50,51/03;5,8,12,15/04
24150	27	41,47/03;6,7/04	245524	43	24,26,32/03;23/04	28165	20	20/04*	37025	26	24,25,27,31,33,34,36,38,41,43/03;3,4,10,11,15,26/04
24151	4	41/03;6,7/04	245525	17	26/03;23/04	28167	4	16/04	37030	N28/04*	
24152	2	41,47/03;6/04	245526	2	24,32/03;23/04	28168	22	16/04	37032	2	25,31,38,42,43,45/03;3,4,9,15/04
24153	6	39,47/03;6/04	245527	31	24,32/03	28190	2	16,30/04	37033	2	33/03;15,17/04
24155	6	46,49/03	245550	2	21/03	28196	4	16,30/04	37034	2	33,41/03;10,15,P18,22/04
24160	21	47/03;10,15,22/04	245563	50	21/03	28197	4	16,30/04	37043	17	43,46/03;12/04
24161	11	28,32,39,40,47/03;10,26/04	245566	27	30/03	28221	18	16/04	37046	18	43,46/03;12/04
24162	9	28,32,39,40,42,47,52/03;10,26/04	245575	16	21/03	28260	30	16/04	37050	9	12,26/04
24164	6	39,41,47/03	245600	47	25,27/03;1/04	28263	3	16/04	37060	3	43,46/03;12/04
24170	14	35/03;9,22/04	245608	4	48/03	28300	1	16/04	37063	21	43/03
24171	19	37,52/03;16,22,26/04	245609	5	1/04	28302	16	7/04	37075	3	43/03;12/04
24172	4	22/04	245610	8	2/04	28310	2	7/04	37080	3	21,22/03;12,23,26,27/04
24180	15	40/03	245611	22	1/04	29002	9	29/03	37082	9	24/04
24200	14	9,13/04	245613	3	20*,25/04	29012	8	7/04	37090	8	22/03;12,23,26,27,29/04
24201	5	49/03;9/04	245640	41	22/04*	29015	5	7/04	37095	3	22,33,39/03;27,29/04
24202	6	31,35,46/03;21/04	245641	27	15/04*	29040	3	39,48/03;7,14/04	37103	9	12,26/04
24203	36	49/03	245645	17	15/04	29101	6	7,18,13/04	37106	4	32/03;26/04
24210	14	42/03;29/04	245647	10	16/04	29124	1	21/04	37110	11	25,31,32,39/03;12,26/04
24215	1	29/04	245649	19	44/03*	29127	4	29,39,42/03;21/04	37111	1	27/04
24220	14	39/03;29/04	245650	34	25/04*	29141	3	29,39/03	37115	2	25,31,32,39/03;12,26/04
24221	16	29/04	245653	13	14,21,29/04	35001	N28/04*		37120	2	21,23,24,25,26,27,30,32,39,42,43,44,45/03;12,20,24,25,26,27/04
24222	3	39/03	245654	13	14,21,29/04	35002	N19/04*		37121	11	25/03;12,26,27/04
24223	33	39/03	245655	11	14,21,29/04	35003	N19/04*		37122	12	31,44,45/03;12/04
24224	1	15/04*	245663	27	30,39/03;29/04	35004	N19/04*		37123	9	27/04
24230	20	52/03;9/04	245664	15	30,39/03;29/04	35005	N23*,N30/04		37125	15	27/04
24233	15	9,22/04	245666	17	11/04	35006	N24/04*		37127	11	27/04
24234	3	35/03	245668	18	34/03	35008	21	25,27/03;23/04	37129	6	23,24,30,42,45/03;7,20,26,27/04
24240	5	39,46,52/03	245670	42	2*,14/04	35009	19	28/04**	37133	4	28/04**
24250	5	39/03;13,22/04	245671	18	21/03*,21/04	35010	N28/04*		37134	5	45/03
24251	23	39/03	245673	15	43/03	35011	2	25/03	37136	6	30/03
24252	5	39/03	245677	20	32*,39,52/03	35013	N23/04*		37137	6	30/03
24270	3	29/03	245679	10	11,15/04	35014	N23/04*		37140	33	24,25,30,32,42,43,44,45/03;7,12,25,26,27/04
24271	14	29/03	245681	16	28*,34,39/03;15/04	35025	N23/04*		37141	29	24,27,31,44,45/03;23/04
24274	2	29/03	245683	18	32*,34,39,52/03	35027	N24/04*		37147	15	25/03;12/04
24292	4	22/04	245685	9	22*,52/03	35028	N28/04*		37148	13	27,51/03;12/04
24293	6	37,42,46/03	245687	12	30/03*	35032	16	12/04	37150	8	26,27,32,33,35,37,39,41,43,46/03;7,12,25/04
24294	22	37,46/03	245848	25	11/04	35035	N28*,N29/04				
24355	2	25,37/03	26050	1	26,47/03	35036	21	27,43/03;12,13/04			
24360	1	25/03	26060	1	42/03	35040	18	24/04**			
24370	1	48/03;1/04	26068	11	50/03	35041	8	23/04**			
24375	2	38/03	26081	8	42,43/03;16/04	35042	9	24/04**			
24376	1	38/03	26083	14	19/04	35043	5	28/04**			
24380	2	48/03;1/04	26100	4	31/03	35050	N28/04*				

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 21/03 THROUGH NM 30/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
37161	14	24,41,43,46/03	37501	3	33/03	43165	2	21,22,23/04	44038	5	46/03;18/04
37162	12	21,26,27,30,32,33,35,37, 39,40,41,43,45,46/03;7, 29/04	37505	2	33,41/03;15/04	43166	2	43/03;23/04	44040	23	22,23,24,28,30,32,44, 52/03;1,5,6,16,19,28,29, 30/04
37163	19	32,43/03;11,12,22,25/04	37506	4	33,48/03;11,26/04	43167	5	36,42,44/03;20,21/04	44041	7	23,28,52/03;3,8,9,13,20, 26,27,28/04
37164	4	23,26,27,30,32,35,37,43, 46/03;7,22,24/04	38320	3	35/03	43168	2	36,42/03	44042	7	25,27,28,29,32/03;9,12, 13,15,20,22,25,26,27, 28/04
37165	2	21,23,26,27,28,30,32,34, 35,37,39,43,45,50,52/03; 1,5,7,8,11,15/04	38480	6	48/03	43180	5	44/03;22/04	44043	8	52/03;9,16,26,27,28/04
37166	2	21,26,27,30,32,33,34,35, 37,39,40,41,43,45,46, 51/03;7,11,12,21,25/04	38588	7	30/04	43181	3	43/03	44044	6	44/03;9,16,24,25,27/04
37170	11	46/03	38607	2	1,14/04	43182	4	22,30/04	44045	6	22,44/03;5,16/04
37175	2	27,30,45,46,51/03	38610	1	1,13/04	43200	3	22/04	44046	10	22,24/03;1,6,19,27,29/04
37180	20	27,31,35,49/03;12/04	38641	4	3,13/04	43201	2	N21,N22/04	44047	22	22,24,30,31,32,40,48/03; 16,29,30/04
37182	14	24,27/03	38650	1	3,12,13/04	43202	3	22/04	44048	11	22,25,27,31,40,48/03,9, 13,16,21/04
37183	9	24/03	38670	2	1,13/04	43203	3	22/04	44049	9	22,24,30,31,40,48,50/03; 1,2,9,12,18,26,29,30/04
37200	15	28,30,35/03;15,23/04	38682	3	13/04	43204	4	36/03	44050	21	31,32/03;12,28,30/04
37202	2	22,27/03	38683	3	13/04	43206	3	14/04	44051	1	22,25,26,27/03;1,2,9,25, 26/04
37221	13	21,23,29,30,32,50,51, 52/03;5,8,11,16,18,19/04	41060	3	52/03	43244	4	12/04	44057	5	29,30/03
37222	13	21,22,30,46,52/03;16/04	41100	2	N46,N52/03	43245	4	12/04	44061	21	24,32/03;1,6,17/04
37223	14	21,26,27,30,32,34,35,39, 43/03;7,11,16,21,24/04	42003	1	N23/03**;N13,N16/04	43247	5	44/03	44062	8	28,40/03;1,17/04
37224	11	22,23,30,37/03;16/04	42004	1	N23/03**;N13,N16/04	43248	3	44,46,47/03;14,25,28/04	44063	8	1/04
37225	17	21,23,51/03	42036	2	43/03	43249	2	10/04	44064	19	22,28/03;1,6,15,27/04
37228	14	23,27,29,30/03	42038	2	43/03;16/04	43252	1	44,46/03;14,25,28/04	44065	7	6,19/04
37230	14	28/03	42040	3	16/04	43260	4	46,47/03;10/04	44066	10	31/03;6/04
37231	18	50,52/03;8,19,21/04	42046	3	16/04	43261	5	46/03;25,26,27,28/04	44067	22	28/03;6,9,14,15,21,29/04
37232	12	29,31/03	42052	2	16/04	43262	5	46/03;24,25,26,27/04	44068	11	40,51/03;9,27/04
37234	13	31/03	42141	3	6,12/04	43263	7	37,44,46/03;1,21,23, 26/04	44069	16	22,23,40/03;9,14,15,21, 29,30/04
37235	11	5/04	42160	3	38/03;12/04	43264	2	46/03;24,25,26,27/04	44070	7	28/03;21/04
37238	6	21,30,33,37,40,41,45/03; 7,25/04	42301	3	38,52/03;15/04	43265	2	37,46,47/03;23/04	44071	4	29/03;21/04
37241	17	26,27,30,32,33,35,37,39, 43,45/03;7,29/04	42560	5	31,38,40/03	43266	1	47/03;10/04	44072	4	40/3
37242	10	26,30,32,35,39,43/03; 11/04	42600	5	30,40/03	43280	5	37,40,47/03	44075	4	23,40/03
37243	7	27,30,32,37/03;24/04	42620	5	38/03	43281	6	27,37,44,46,47/03;1,21, 23/04	44076	3	22,28,30,32/03;14,26/04
37244	11	23,26,27,28,30,32,33,35, 37,39,43,45,46/03;7,20, 24,25,29/04	42640	6	38,40/03	43283	6	27,37,40,43,47/03;1, 20/04	44081	9	46,48/03;9,14,15,16,23, 27/04
37246	14	21,24,27,30,32,33,35,39, 40,43,45,46/03;1,11,22, 24,25,29/04	43000	4	16/04	43284	4	40,43/03;1,20,21/04	44082	11	33/03;17,21/04
37248	18	21,23,24,26,27,30,32,35, 40,41,43,45/03;7,12,20, 22,25,29/04	43030	24	22,27,28,30,32,46,48/03; 1,3,6,8,9,14,15,16,17,19, 20,23,28,29,30/04	43285	5	44,49,51/03	44083	8	24,25,26/03
37258	4	22/03;27/04	43040	6	38,47/03;2,16/04	43287	2	27,37,30/03/1/04	44084	1	26/03;30/04
37261	10	22/03;27/04	43041	2	16/04	43300	5	49,51/03;10,23/04	44085	2	51/03
37262	20	27/04	43058	3	16/04	43301	4	49/03;23,30/04	44100	7	22,31,40,41,46,48,49, 51/03;6,9,14,15,16,17,23, 27,30/04
37264	3	22/03	43059	3	16/04	43303	4	43/03;14,21/04	44105	2	24,26,27,41,47,48,52/03; 3,20,24,30/04
37265	3	32/03	43060	4	27/03;16/04	43304	2	43/03;10,14,15/04	44120	7	22,23,24,27,33,39,40,41, 45,48,49/03;1,3,9,14,17, 20,23,27/04
37281	15	22/03;29/04	43062	2	16/04	43321	6	15,16,17,21,23/04	44140	8	21,23,24,26,31,40,44,47, 50/03;9,20,22,25/04
37320	16	21,24,36,38,44/03;7,12, 21,26,27/04	43063	2	16/04	43323	4	27,49/03;15,17,21,23/04	44160	7	26,31,41,47,48,49/03;2,5, 9,11,13,19,22,23,25, 29/04
37326	2	21,36/03	43064	2	16/04	43324	4	27,49/03;15,21/04	44161	2	21,35,39,41,48,49,50/03; 3,8,9,16,20,21,22,27, 28/04
37328	2	21,24/03;26/04	43079	2	21,30/04	43341	7	49/03;22/04	44162	1	24,47/03;9,17/04
37330	2	27/04	43080	4	44/03;16,20,22/04	43342	7	26,49/03	44164	1	22,47/03;2,6,12,13,15,23, 25/04
37342	3	21,45/03;12/04	43081	4	16/04	43344	3	39/03	44165	1	22,24,34,39,45,48/03;2,9, 11,12,15,18,24/04
37343	10	12/04	43082	5	47/03;20,21,30/04	43346	2	14/04	44178	2	26,27/03;2,16,18/04
37344	11	21,38,45/03;13/04	43083	4	16,20,22,23/04	43348	5	43,48/03;14,17/04	44179	2	35,39,51,52/03;3,8,14,18, 25,26/04
37360	15	21,24,31,36,38,39,43,44, 45/03;9,11,12,13/04	43084	3	16,23/04	43369	6	43,48,50/03;14,17,24, 26/04	44180	6	26,43,48,50/03;2,3,6,8, 11,12,14,22,25,28/04
37362	6	22,32,33,38,39/03;12, 14/04	43100	4	22,29/04	43370	7	47/03;12,14,23,24/04	44181	5	21,27,48,52/03;2,8,9,11, 12,14,22,25,30/04
37363	8	32/03	43103	4	29/04	43371	13	38,43/03;10,12,14,23, 24/04	44182	4	27,42,43,46,48,49/03;1,2, 6,8,12,15,18,23,26,27/04
37380	2	21,38,39,41,43/03;7,11, 12,13,19,21,23/04	43126	4	5,7,20,25/04	43372	4	10,12,14/04	44183	6	25,27,35,39,43,46,49/03; 2,13,14,15,28/04
37400	10	31,34,36,41,43,46,47/03; 1,7,9,11,19,21,23/04	43140	4	35,38/03;1,5,25,30/04	43373	8	40,42,49,50,52/03;8,9,14, 23,24,25,26/04	44184	9	22,32,48,52/03;8,11,21, 24,27/04
37401	9	22,31,36,43,44,47/03; 1/04	43141	5	5/04	43374	1	43/03;10,14,17/04	44185	7	27,32,48,50/03;9,11,14, 18/04
37402	7	1,30/04	43142	4	5,7/04	43375	7	23,42,44,50,51/03;5,11, 20,21,22,23/04	44186	2	25,27,29,49/03;1,3,11,12, 16,21,23,24/04
37403	23	41/03	43145	2	20,25,30/04	43376	5	14/04	44187	2	25,27,39,44,48,50,52/03; 2,6,22/04
37420	1	41/03;9/04	43146	2	34,35,44/03	43386	2	47/03;24/04	44188	9	22,32,48,52/03;8,11,21, 24,27/04
37421	8	21,41/03	43147	3	35,38/03	44000	16	44/03;19/04	44189	7	27,32,48,50/03;9,11,14, 18/04
37423	5	21,41/03	43148	4	43/03	44001	2	23,26,50/03;8,9,11,18, 19/04	44190	2	25,27,29,49/03;1,3,11,12, 16,21,23,24/04
37443	2	38,45/03;7/04	43150	2	N34,N35,N38,N41/03; N20,N21,N22,N30/04	44015	8	24,26,40,44,47,50/03;1,8, 9,11,18,19,20,22,27/04	44192	1	23,39,43,44,48/03;1,2,5, 8,9,11,14,15,24,28,30/04
37445	1	34,38,39,43,48/03;4/04	43160	6	34,35,36,38,41/03;20,21, 22,30/04	44035	5	22,52/03;27/04			
37446	2	34/03;28/04	43161	2	35,41/03	44036	5	23,28,30,32,52/03;5,16, 28,30/04			
37461	9	25,36,30/03;3,15,25, 26/04	43162	3	41/03	44037	5	22,52/03;27/04			
37463	6	43/03;1,2,3,4/04	43163	3	41/03						
37481	7	30/03;17,20,21,25/04	43164	3	34/03;20,21,22,30/04						

## SECTION I

NM 30/04

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 21/03 THROUGH NM 30/04**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
44193	1	43,48,50/03;5,6,9,12,14, 15,25,27/04	51100	7	27,33,34,41/03;10,P18, 19,22,23,30/04	52183	9	52/03	54335	3	24/03
44200	9	22,27,37,43,47,50/03;12, 20,21,25/04	51103	10	17,23,26/04	52220	7	27/03	54337	3	21/04
44203	1	25,52/03;8,12,15,22, 29/04	51104	1	17,23/04	52221	7	27/03	54340	8	24/03
44204	1	27,50/03;9,20/04	51109	5	5,12/04	52223	4	27/03	54341	4	23/03
44205	2	22,26,27,29,31,39,43/03; 11,20,22,23,27/04	51120	6	4/04	52240	9	27/03;20/04	54343	10	6/04
44206	1	24,28,40,46/03;6,11,22, 30/04	51125	1	22,46/03;4,5,25,27/04	52243	11	20/04	54344	6	24/03
44207	1	23,28,40,41,45,46,50/03; 9,21,22,23,30/04	51135	2	22,33,40,45/03;9,29/04	52262	6	4/04	54346	9	20/04*
44208	5	21,40,45,46,48/03;3,11, 20,23/04	51142	4	20,22,33,40,45/03;29/04	52263	5	4/04	54350	4	37/03
44209	1	21,52/03;3,11/04	51143	4	40,45/03;9,29/04	53011	2	7,10/04	54351	7	26/03
44210	1	21,24,48/03;11,12,15, 23/04	51144	3	46/03;9/04	53031	1	24,31,49/03;6,7/04	54352	3	33,37/03;6/04
44211	5	21,40,45,46,48/03;3,11, 20,23/04	51145	2	22/03	53058	2	37/03	54359	2	38/03;21/04
44212	1	21,23,27,29,30/04	51146	3	36/03	53060	14	31,36,39,44/03;6,11,22, 26/04	54360	12	21,34,50/03;6/04
44213	1	21,40,45,46,48/03;3,11, 20,23/04	51150	1	22,33,40,46/03;9,12, 28/04	53061	10	38,44/03;15,17,21/04	54361	10	38/03;21/04
44214	1	21,24,42/03;3,19/04	51154	3	6,9,29/04	53062	13	15,17,19,21,22,26/04	54363	3	21,50/03;2,6/04
44215	1	21,52/03;3,11/04	51155	1	22/03;12,29/04	53063	9	33*,37/03;21/04	54365	6	21/03
44216	1	21,24,48/03;11,12,15, 23/04	51159	3	39/03	53064	6	39/03;11/04	54368	4	50/03
44217	1	21,24,42/03;3,19/04	51160	20	21,22,45/03;12,14,28/04	53065	2	39/03;11/04	54369	4	21,34,50/03;2/04
44218	8	21,25,39/03;3,20/04	51163	4	43/03;12,19/04	53066	2	39/03;11/04	54380	6	28,34/03;17,24/04
44219	2	17,22,24,26/04	51164	18	43/03;5,14,27,28/04	53081	8	27,30/04	54382	9	28,40/03;15,28/04
44220	7	21,48,52/03;5,13,16, 17/04	51165	8	39/03;5,8,27/04	53082	13	7,21,22/04	54387	7	30,39,42/03
44221	1	21,48,52/03;5,13,16, 17/04	51166	3	N39/03	53083	8	21,22,41/03;21,30/04	54389	8	24/04
44222	5	21,40,45,46,48/03;3,11, 20,23/04	51167	6	5,8,14,27/04	53084	6	30/04	54400	8	22,30,36,37/03;13,14,19, 24,25,30/04
44223	9	22,34,44,47,50/03;11/04	51168	2	45/03;14,28/04	53086	8	11/04	54403	4	24,30,36/03;19,30/04
44224	2	21,22,27,45,49,50/03;11, 12,19/04	51181	10	28/04	53089	4	21,22,23,41/03;9/04	54407	4	30,37,49/03;13,14,24,25, 30/04
44225	1	21,26/03;14,20/04	51220	8	43,45,46/03	53090	1	5/03	54408	4	25/04
44226	2	21,43,45,49,50/03;13/04	51223	2	24/04	53093	2	41/03;8/04	54409	2	13/04
44227	1	24,44/03;14/04	51240	2	43,46/03	53100	16	21,24,31/03;11,13/04	54413	3	37/03
44228	1	40,44,47/03;11,21/04	51260	4	28,43,44,52/03	53101	7	24/03	54416	5	33,37/03
44229	1	27,40,47/03;11/04	51261	23	40,46/03;12,30/04	53104	2	24/03	54417	1	30/03*
44230	5	37,50/03;19,29/04	51341	23	34/03;15/04	53106	6	21,33/03	54418	4	30,37,49/03;24,25,30/04
44231	1	36,37,39,40/03;11,19,20, 22,23,26/04	51342	3	5/04	53111	3	11/04	54421	6	36,41,43,46,49/03;20/04
44232	2	26,27,28,32,37,39,44, 50/03;11,21,23,26/04	51343	3	21/04	53120	14	31,35/03;11,13/04	54422	4	46/03
44233	2	26,27,28,32,37,39,44, 50/03;12,19/04	51344	2	44/03;26/04	53123	3	29/03	54430	1	36,43/03;2,14,20/04
44234	4	25,26,37,49,50,51/03;2, 12,19,20,21/04	51380	5	42/03;21,29,30/04	53133	4	33*,45/03	54440	4	38/03;13/04
44235	6	44,45/03;19,20,21,22,23, 26/04	51420	5	42/03	53147	3	35/03	54441	6	22,30/04
44236	11	26,33,37,49,50,52/03;2,6, 7,11,12,18,19,21,23, 26/04	51440	4	42/03	53149	2	11/04	54462	5	51/03;4/04
44237	7	26,52/03;18,19,20,26,28, 29/04	51500	13	41/03	53166	1	6/04	54463	5	1,27/04
44238	8	52/03;18,22,27/04	51501	12	39/03;23/04	53180	10	21,29/03;11/04	54464	5	15/04
44239	2	49/03;2,7,24/04	51502	1	22/04	53181	4	21/03	54480	8	21/03;7,13,22,29,30/04
44240	9	27,28,30,31,32,37,39,44, 52/03;2,11,24,30/04	51503	3	22,45/03	53200	6	30/03;4,11,12/04	54481	8	33,43/03;7,13,22/04
44241	7	26,52/03;18,19,20,26,28, 29/04	51504	11	50/03	53201	6	21,38/03	55001	4	28,29,33,35,36,39,43,44, 52/03;6,21/04
44242	1	26,27,43,52/03;4,11,13, 15/04	51505	10	50/03	53204	10	1/04	55040	4	21,35,36,39,41,42,50, 52/03;6,9,13,17,19,22, 25/04
44243	1	44,52/03;30/04	52039	4	21,45/03	53205	3	26/03;28/04	55041	7	21,43,49,50/03;2,5,13, 15/04
44244	1	26,27,43,52/03;4,11,13, 15/04	52040	17	34/03;13,20,27,28,30/04	53206	6	25/03	55042	1	35,37/03;9,19/04
44245	4	39/03;13,20,23,26/04	52042	6	22/03*	53220	6	4,10,12/04	55043	2	37,52/03
44246	4	23,24,25,27,34,41,49,50, 51/03;7,12,16,18,19,24, 25/04	52043	21	48,50,52/03;1,2,6/04	53226	3	35/03;12/04	55044	5	42,52/03;1,2,25/04
44247	6	21,26,27,28,35,52/03;4,6, 15,17,20/04	52044	17	34/03;12,13,19/04	53301	4	22/03;21/04	55045	2	39,52/03;3,9/04
44248	1	23,27,34,41,49,50/03;4, 15/04	52045	11	34/03;20,28/04	53306	2	31,43/03	55046	4	35,36,41,46,50/03;6,8,9, 17,18,19,23,25/04
44249	4	23,27,34,41,49,50/03;4, 15/04	52046	3	30/04	53311	3	37/03	55047	8	41,49,51/03;6,7,15,18,23, 25/04
44250	1	23,27,34,41,49,50/03;4, 15/04	52047	11	30/04	54040	3	11/04	55048	12	1,8,13,15,23,25/04
44251	6	23,27,34,41,49,50/03;4, 15/04	52048	21	31,12/04	54041	7	24/03	55060	7	28/03;17,21/04
44252	1	23,27,34,41,49,50/03;4, 15/04	52049	3	30/04	54060	5	6,12,27/04	55061	1	28/03
44253	1	23,27,34,41,49,50/03;4, 15/04	52051	1	16,27/04	54095	3	30/04/03	55062	5	28,33/03;21/04
44254	7	24,41,49/03;6,12,21/04	52052	1	16/04	54105	3	50/03;10/04	55063	1	44/03
44255	4	23,24,26,27,41,45,49, 50/03;2,12,22,28, 29/04	52060	16	26,29,34/03;6,27/04	54115	3	30/03;10/04	55064	3	8,25/04
44256	2	26,29,34/03;6,30/04	52061	2	26,29,34/03;6,30/04	54120	5	10/04	55068	9	25,32,44,46,50/03;20/04
44257	7	23,29,34/03;1,6,7/04	52062	7	23,29,34/03;1,6,7/04	54085	2	24,42/03	55069	7	39/03;11,28/04
44258	6	24,48,49/03;5,7,20,21,25, 30/04	52080	14	26,48,49/03;5,7,20,21,25, 30/04	54090	3	6,12,27/04	55070	9	31,33,36,39,46,50/03;9, 17,20,30/04
44259	3	26/03;21,29,30/04	52083	2	46,48/03	54125	3	30,47/03	55100	8	28,29,33,34,39,43,44/03; 6,21/04
44260	3	26/03;21,29,30/04	52085	3	46/03	54131	2	50/03;12/04	55101	4	25,32,34,38,39,42,43,46, 50/03;2,4,6,9,11,13,17, 28/04
44261	6	26/03;5,7,04	52086	2	36/03;5,7,04	54140	7	30,47,51/03	55102	3	25,32,36,43,46,50,52/03;
44262	1	6/04	52087	1	6/04	54141	1	42/03;24/04	55103	2	2,6,13,17/04
44263	5	10*,20,21/04	52088	3	10*,20,21/04	54161	12	21/03;27/04	55104	2	31,33,36,43,46,52/03;2,6,
44264	1	48/03	52092	1	48/03	54165	2	38/03	55105	7	13,28/04
44265	12	6,19,26/04	52120	12	6,19,26/04	54168	1	38/03	55106	5	29,33,36,42,43,48,52/03;
44266	8	23/03	52121	8	23/03	54169	3	38/03;14/04	55107	3	9,04
44267	14	13,14,22/04	52122	14	13,14,22/04	54170	10	22/03	55108	2	29,43,44,51/03;13,14,15,
44268	1	6/04	52124	1	6/04	54180	6	30,42,47,51/03	55109	2	21,25,28/04
44269	1	14,22/04	52125	1	14,22/04	54181	7	48/03*	55110	2	31,33,36,43,46,52/03;2,6,
44270	6	29,46,49,52/03;5,7,12, 25/04	52140	6	29,46,49,52/03;5,7,12, 25/04	54195	2	51/03	55111	4	13,28/04
44271	5	41,44,46,49/03;25/04	52141	5	41,44,46,49/03;25/04	54226	2	47/03	55112	2	28,33,34,42/03;2,17,21,
44272	3	14*,20/04	52142	3	14*,20/04	54227	2	47/03;12/04			

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 21/03 THROUGH NM 30/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
55128	2	26,27,28,32,34,43,50/03; 2,6,9,11,13,20,30/04	61111	12	25,27,34/03	62521	4	N28,N32,N41/03;N8, N9/04	71333	2	33/03
55129	7	27,34,35,42,45,46/03;6,9, 11,20,28,30/04	61112	10	35/03	62530	6	28,32,52/03;9,17/04	71335	2	38/03
55130	2	32,33,34,39,42,45,46/03; 2,6,9,11,17,28/04	61130	3	9/04	62531	4	N28,N32,N52/03;N9, N17/04	71340	11	33/03
55131	1	25,38,39/03;6,9,15,17/04	61140	5	9/04	62540	6	21,30,35,43,50/03;9,12, 15,18,23,26/04	71348	3	23/03
55133	3	34,36,38,46/03;6/04	61141	6	35/03;9,14/04	62541	3	N21,N30,N35,N43, N50/03;N9,N12,N15, N18,N23,N26/04	71349	2	23/03
55138	4	52/03;6,9,15/04	61180	4	38/03	62550	3	28,32,52/03;5,9,10,17/04	71400	5	23/03
55139	5	6,15/04	61190	4	9/04	62560	4	5,8,9,17,27/04	71402	1	33/03
55140	2	29,33,34,35,36,42,45,46, 47,52/03;2,9,11,17,20, 28/04	61204	5	22/04	62570	4	30,35,37,43,50/03;1,5,9, 11,12,15,18,23,26/04	71410	1	23/03
55150	2	36,48/03;3,14/04	61541	8	41/03	62572	1	50/03*/11/04	71420	1	23/03
55160	2	29,41,42/03;3/04	61542	6	41,46/03	62580	3	35/03;9,26/04	71430	3	23/03
55161	1	41,42/03;23/04	61581	5	28/03	62584	2	7/04	71440	2	23/03;11,14/04
55170	2	46/03;6,9,13,15,24/04	61610	7	34/03	62590	2	21,23,30,37,43,50/03;1, 11,12,15,18,23,26/04	71455	2	23/03
55180	2	29,33,36,39,42,45,46,47, 52/03;2,9,11,20/04	62001	5	28/03;9/04	62591	3	N21,N23,N30,N37,N43, N50/03;N1,N11,N12, N15,N18,N23,N26/04	71460	1	23/03
55190	2	27,39,40,51,52/03;2,3,6, 9,15,30/04	62024	13	29/03	62028	15	13/04	72000	8	21,23,24,27/03;25/04
55200	2	25,26,27,28,32,33,36,39, 42,45,46,47,50,52/03;4, 11,14,17,20,30/04	62032	16	21,41/03;8/04	62033	3	N21,N41/03;N8/04	72007	10	27,50/03;9/04
56011	1	50,52/03;10/04	62037	4	26/04	62070	4	4/03;23/04	72014	10	9/04
56031	1	21/03;29/04	62090	7	11/04	63000	13	40/03;23/04	72021	8	23,27,50/03;9/04
56041	4	21/03	62092	7	27/04	63010	14	44/03	72028	7	22/03
56060	9	27*,38/03;18,28/04	62095	3	32/03	63040	2	52/03	72035	8	21,27/03;9/04
56064	6	8,18,26/04	62097	6	38/03*	63050	2	45/03	72045	2	27/03;9/04
56065	3	38/03;8,18,26,28/04	62098	7	33/03*	63053	4	39,45/03	72050	4	23/03
56067	3	38/03;8,10,26,28/04	62100	6	P23,26/03;11/04	63055	2	39/03	72070	4	25/04
56081	19	5/04	62110	9	P23,26/03;9/04	63060	7	45/03	72085	3	50/03;9/04
56082	16	29/03	62120	6	26/04	63062	7	37,44,50/03	72094	2	25/04
56100	14	33/03*	62142	10	32/03	63065	6	44/03	72103	2	25/04
56101	6	5/04	62143	3	32/03	63070	3	23/04	72105	2	50/03;9/04
56102	23	5/04	62177	3	12/04	63090	8	30,40/03	72110	9	9/04
56103	6	33/03;5/04	62188	3	50/03	63091	4	5/04	72120	3	9/04
56104	3	22/03*;5/04	62191	15	28/03;27/04	63100	2	30/03	72173	2	9/04
56105	1	38/03*	62194	8	24/04	63102	19	30,40/03;16/04	72181	2	50/03
56106	12	27/04	62220	9	21/03*;26/04	63103	17	16/04	72203	2	9/04
57000	10	43/03	62225	3	26/04	63111	9	16/04	72204	1	26/04
57006	5	28/04	62230	2	50/03;9/04	63200	5	30/03;10/04	72223	8	27/03
57035	10	23/03;4,23/04	62241	10	5/04	63201	9	30/03	72231	8	21/03
57060	7	43/03;24/04	62250	4	32/03	63205	2	30/03;10/04	73000	9	21/03;10/04
57080	8	24/04	62270	4	29,32/03	63210	3	30/03	73002	4	10/04
57101	18	28/04	62271	5	13/04	63215	6	5,16/04	73004	4	8,10,26,27/04
57103	2	24/04	62290	3	21,P23,26/03;11/04	63250	1	33/03	73006	2	10/04
57140	10	24,28/04	62295	3	21,P23,26/03	63252	5	5/04	73010	3	10/04
57141	14	28/04	62310	2	29/03	63260	5	4/04	73014	10	10/04
57142	6	28/04	62340	3	13/04	63271	8	9/04	73016	4	10/04
57160	10	28/04	62350	3	13/04	63290	7	22/03	73018	3	10/04
57161	4	23/04	62355	6	29/03	63310	5	9/04	73020	9	21,22/03;10,21/04
57165	1	28/04	62366	4	33/03*;9/04	63320	8	37,49/03;9,16/04	73022	4	10/04
57170	1	52/03;20,28/04	62391	5	33/03*	63321	6	37,49/03;16/04	73030	4	22/03
57200	6	52/03	62394	10	8/04	63322	2	49/03	73032	4	22/03
57201	5	52/03;26/04	62395	3	25/03*	63324	1	9/04	73141	5	10/04
57240	8	28/04	62400	17	31/03;13/04	63331	9	30/04	73191	3	10/04
57241	12	31/03	62401	9	41/03;8/04	63340	5	43/03	73552	4	38/03;18/04
57242	8	41/03	62405	8	43/03	63351	6	43/03	73580	4	43/03
57245	1	41/03	62406	2	28/03;9,13/04	63352	6	36,43/03	73581	4	43/03
57260	3	23/03;28/04	62408	7	8/04	63353	1	40/03	73601	3	43/03;12/04
57261	2	23/03	62411	1	10,13,17/04	63361	8	23,26/03;25/04	73620	2	12/04
57262	4	23/03	62412	12	52/03	63400	5	47/03	73631	4	40/03
57381	12	23/03;4,27/04	62413	12	28*,50,52/03;10/04	63404	2	30/03;12/04	73640	5	40/03;10/04
57408	2	24/03	62417	1	10,13/04	63406	1	24/03	73650	5	40/03
57420	3	23/04	62420	5	52/03;10/04	63407	9	23,33/03;14/04	73653	1	40/03
57460	4	29/03	62432	17	50/03*;11/04	63433	9	30/04	74000	6	41/03
57480	8	23,27/03	62434	9	21,23,43,50/03;1,4,5,11, 12,15,23/04	63437	8	23,26/03;25/04	74002	2	31/03
57482	12	24/03	62437	10	30*,32,35,37/03;5,15/04	63440	10	15,25/04	74003	5	31,34/03
57483	11	24/03	62440	8	41/03;8/04	63444	3	11/04	74004	2	30/03;12/04
57484	19	23,24,27/03	62442	6	24/03	63448	2	N10,N14/04	74005	2	27,30,38/03;15/04
57486	6	28/04	62446	3	43/03	63449	2	14/04	74007	1	46/03
57487	6	22/04	62449	4	8/04	63451	11	21,50/03;10,12,14/04	74008	6	15,21/04
57488	6	24/03;22,27/04	62451	7	5,9/04	63453	10	21/03;12,14/04	74009	10	21,36,44/03;21/04
61000	20	23,27,31/03;20,27/04	62453	4	50,52/03;10/04	63455	6	28/03*;10,11,12/04	74012	10	27,36,37/03;8,22/04
61020	2	27/03	62459	2	41/03	63457	2	10,11,12,14,15,25,26/04	74015	10	21,31,36/03;8,13,22/04
61040	6	31/03;20/04	62460	4	9/04	63458	2	22/03;10,12,14,15,25/04	74016	3	27,42,48/03
61050	4	31/03;27/04	62480	2	32,41/03;8,9/04	63459	3	44/03;10,11,14,15,24/04	74017	4	31,38/03;13/04
61051	7	24/03;27/04	62490	2	21,32,50/03;9,12,15,18, 23/04	63462	7	33/03	74021	7	26,31,35/03;13/04
61060	5	27,39/03	62498	4	31/03;13/04	63465	3	10,11,14,15,25/04	74024	7	36,49/03
61061	9	24/03	62499	4	31/03	63473	2	51/03;25/04	74027	9	39/03
61070	4	39/03	62510	3	8,9/04	63475	3	33/03	74030	6	42/03
61071	9	39/03	62512	3	N8,N9/04	63481	7	34/03	74051	2	42/03
61090	5	27/03	62515	2	26/04	63485	2	23/03	74151	9	29,40,41/03;19/04
61091	5	24,27,35/03	62520	6	28,32,41/03;8,9/04	63487	11	27,30,34/03;1,13,19/04	74152	11	27,30,34/03;1,13,19/04
61092	13	27,35,39/03	62520	6	28,32,41/03;8,9/04	63488	2	27,41/03;1,19/04	74153	2	27,41/03;1,19/04
61110	3	25/03	62520	6	28,32,41/03;8,9/04	63489	11	25,38/03	74171	4	40/03
			62520	6	28,32,41/03;8,9/04	63490	11	25,38/03	74172	5	40/03
			62520	6	28,32,41/03;8,9/04	63491	7	34/03	74181	8	34/03
			62520	6	28,32,41/03;8,9/04	63492	12	25,34,38,39,40,41,42, 49/03;11,17/04	74182	12	25,34,38,39,40,41,42, 49/03;11,17/04
			62520	6	28,32,41/03;8,9/04	63493	11	25,38/03	74183	11	25,38/03
			62520	6	28,32,41/03;8,9/04	63494	10	34/03;8,11/04	74184	10	34/03;8,11/04

## SECTION I

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 21/03 THROUGH NM 30/04**

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 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
74186	7	21,27,30,36/03	75171	22	26,35,38,40,44/03;10, 21/04	91025	8	46/03	94206	3	44/03;18/04
74190	7	31,34,39/03	75172	5	49/03	91030	3	42/03	94216	6	42,44,47/03;1,5/04
74191	2	29/03;5/04	75173	9	26,35,38,40/03	91175	2	6/04	94217	4	2,5/04
74192	3	40/03	75176	9	25,26,32,40,44/03;21/04	91220	3	30/04	94218	3	2,5,17/04
74200	8	32,40/03	75177	7	26,38/03	91280	7	43,46/03	94219	1	46/03;6/04
74201	9	32/03;11/04	75180	2	25,38/03	91289	19	43/03	94220	4	33,42,44,47/03;5,18/04
74202	3	27/03	75185	2	36/03	91300	3	46/03	94260	5	31/03
74204	5	32,40,46/03;11/04	75190	2	25,36/03;22/04	91331	3	42/03	94280	5	32/03
74205	2	27,32,35/03;1/04	75191	6	30,34,36,38/03	91340	3	42/03	94281	6	42/03
74206	2	27,32,35/03	75193	6	35/03	92006	5	10/04	94282	9	7,13/04
74210	7	37,46/03	75195	2	33,37,43,49/03	92025	3	42/03	94283	7	32/03;7,13,14/04
74220	8	30,37,46,50/03;11,15, 25/04	75207	2	30,33/03;22/04	92030	4	42/03;30/04	94290	2	31/03;7/04
74221	2	30,38/03	75213	2	33,38/03	92150	3	43/03	94322	14	47/03;6/04
74229	2	26,50/03;21,24/04	75215	2	33,38/03	92160	3	43/03	94360	6	2,8,12,16,17,30/04
74230	7	36,46,50/03;12,15,25/04	75220	12	26,39/03;8/04	92170	3	43/03	94361	13	2,8/04
74231	7	21,36,50/03;10,24,25/04	75222	8	1/04	92350	4	30/04	94363	4	29/03;15,17,21,30/04
74232	9	21/03;8/04	75240	4	27,39/03;8/04	92450	3	42/03	94380	4	N18/04
74240	8	41,46/03;13,25/04	75241	6	26,35/03	93006	2	43,44,48/03	94420	3	23,42,44,47/03;2,12, 16/04
74251	8	21/03;15/04	75251	5	37,40/03;13,19/04	93010	6	24/03	94421	10	12/04
74252	9	10/04	75261	6	26,31,38/03;1,13,19/04	93018	8	24/03	94423	12	12/04
74253	6	21,30/03;10,13,15/04	75262	6	1/04	93025	5	45/03	94440	2	23/04
74261	9	30,39/03;21/04	75263	9	26,31/03;1/04	93032	3	24/03	95016	8	21,24,25,26,28,29/04
74265	2	21,30/03;10,13,15/04	75264	17	27,32/03;1/04	93047	2	24/03	95040	8	27/04
74270	3	38/03;10,15,21/04	75265	2	31,32,38,40/03	93048	1	33/03	95041	7	23,50/03
74271	9	26,27,29,30,38/03;10, 21/04	76015	1	28,45,52/03;3/04	93160	4	24,47/03	95043	2	27/04
74272	7	29,30/03;9,15,21/04	76030	9	52/03;3/04	93180	7	47/03	95060	13	21,23,29,31,33/03;16,17, 19,21/04
74273	5	27/03;10,15/04	76040	8	47/03	93220	6	47/03	95065	5	31/03
74281	7	30,52/03;17/04	76050	8	28/03	93240	11	24,47/03	95066	11	21,23,25,27,31,32,33, 37/03;6,17,21/04
74283	2	27,52/03	76054	5	52/03	93241	9	25/03	95067	13	23,28,37/03;17,20/04
74285	2	38,50/03	76056	3	37/03	93245	6	24/03	95068	1	25,28,39,37/03
74286	2	29,35/03	76060	7	52/03	93260	8	47/03	95080	13	21,24,25,27,28,30,31,32, 48,52/03;16,17,19,20, 21/04
74287	2	47/03	76061	3	52/03	93261	5	47/03	95082	9	25,27,28,30,52/03;14,19, 21/04
74289	5	10/04	76070	9	28,45,47,51/03;3/04	93262	4	26/04	95085	4	27,33/03
74290	11	27,30,38,50/03;15,18/04	76071	9	28/03	93265	9	26/04	95086	5	23,27,31,33/03
74292	8	27,52/03;1/04	76080	8	47/03	93650	2	24,28,49/03;2/04	95087	3	30,31/03;1/04
74293	7	18/04	76081	7	28,37/03	93652	2	24,49/03;2/04	95100	12	23,25,27,28,29,31,37/03; 4,17,20,21/04
74295	3	27,29,35/03;1/04	76083	3	37/03	93680	3	24/03;18/04	95101	8	28,31/03;17,20/04
74296	4	27,52/03;15/04	76120	6	45/03	93688	3	N18/04	95102	8	23,25,27/03;1/04
74320	3	41,43/03	76121	8	47/03	93690	2	45/03	95103	8	27,28,31/03
74350	4	44/03;21/04	76141	8	28,37,45,52/03	93698	3	28/03;6/04	95120	7	21,26/03
74376	5	44/03	76142	1	37,45/03	93710	3	43,52/03	95138	8	23,24,25,27,28,30,35, 36/03;21/04
74380	4	26/03	76144	1	28/03	93720	10	24,28,42,43,44,48,49/03	95140	15	21,24,25,27,29,33,35,37, 51,52/03;4,16,17,19,20, 21,24/04
74391	3	26/03	76146	1	28/03	93721	5	23,25,40,41,43,44,45,46, 48,49,50,52/03;14,7,8, 11,14,16,22/04	95141	8	21,23,25,29,37,51/03;4, 20/04
74392	7	25,49/03	76147	1	28/03	93725	6	24,49/03	95142	9	23,29/03
74393	9	39/03;13/04	76160	4	28/03	93726	4	45,50/03	95143	11	23,24,25,27,28,30,36/03; 21/04
74394	2	39/03;13/04	76161	10	47/03;29/04	93730	3	24,28,31,41,42,43,46,47, 48,49/03;13,14,16,17, 23/04	95144	9	21,23,24,35,37/03;17/04
74420	3	27,30/03	76162	1	28/03	93733	13	25,40,41,44,45,47,48, 52/03;1,4,8,14,16,23, 25/04	95146	14	21,23,24,31,32,35,37, 48/03;20/04
74440	3	22/04	76170	7	28,52/03	93734	12	51/03*;4,23/04	95147	13	23,25,28,29,31,32,35, 36/03;21/04
74450	3	37/03	76180	1	28/03;3/04	93736	24	11*;16,22/04	95149	9	24,25,27,30,32,35,52/03;
74455	3	38,49/03	81004	3	37*;43/03;9,10,17,21/04	94004	6	42/03;6,15,24/04	95151	17	23,28,29,30,37/03;16,19, 20/04
74460	4	37/03	81048	9	52/03*;8,9,17,21/04	94016	2	21,33,47/03;26,30/04	95152	5	28,30,31,32,35/03;20/04
74465	2	36,38/03	81054	14	52/03*;7/04	94028	7	21,24,27,31,33,40,51, 52/03;1,4,16,17,19,20,21, 28,30/04	95153	2	25,32/03;19/04
74475	2	42,48/03	81060	2	43/03;8,9,11,17,21/04	94033	5	21,23,29,42,44/03;2,12, 16,19,23/04	95160	13	21,24,25,27,33,36,40/03; 1,14,16,17,19,20,24, 28/04
74510	2	35,38/03;13/04	81063	5	47/03	94040	13	28,31,43,51/03;13,18/04	95161	16	23,25,27,30,37/03;20/04
74515	4	31,35/03	81067	6	46/03*;12,24/04	94042	9	24,43,45/03;4,8,13,16/04	95162	2	30,35/03;20/04
74517	3	31/03	81071	6	24/04	94060	10	24,31,42/03;11,13,18/04	95163	2	21/03
74530	2	36,49/03	81076	10	41*;44/03;12/04	94061	5	23,41,42,52/03;11,13, 18/04	95164	4	27/03
74535	2	36,38,49/03	81092	3	32/03	94080	7	22,32,51/03;15,17,23, 24/04	95167	10	21/03
74545	3	32/03	81711	6	31/03;1/04	94082	8	22,51/03;15,23/04	95169	2	23/03
74550	4	32/03	81715	4	31/03;1/04	94083	12	15,24/04	95171	1	21,37/03
74555	3	12/04	82010	6	39/03;22/04	94120	6	21/03;15,23/04	95172	1	21,32/03
74560	10	31,32/03;15/04	82015	13	39/03;22/04	94122	7	35/03	95173	1	28/03
74581	9	27,31,39,48/03	82020	7	39/03;22/04	94123	9	28/03;23,24/04	95174	1	27/03
74582	9	27,31,39,48/03	82095	2	12/04	94124	13	25,28/03;23,24/04	95176	2	30,35/03
74583	15	38,48/03;12/04	82105	2	12/04	94160	7	28,31,41,42/03;6,13,16,18,	95177	1	21,37/03
74584	5	26,27,36,38,39,48/03	82192	6	43/03	94160	7	17/04	95178	1	21,32/03
74591	7	38/03;12/04	82200	2	41/03;12/04	94164	2	41,42,43/03;17/04	95179	1	28/03
74595	2	42/03	82201	2	12/04	94165	4	24,43/03;13,18/04	95180	11	21,23/03
75000	6	31/03	82215	2	41/03	94180	9	23,28,44/03;6,16,17, 18/04	95185	2	35/03
75001	3	31,32/03	82244	5	39/03	94201	1	24,28/03	95200	6	23/03
75025	9	25,27,36,38,39/03;8/04	82253	7	39/03;15/04	94203	10	24,41,42,43/03;6,13,16,	95230	3	29/04
75035	18	26,27/03;8/04	82280	N39/03;N22/04							
75051	6	5,11/04	82571	6	14/04						
75052	2	10,11/04	83020	8	24/03						
75130	16	25,26,37/03;22/04	83025	1	45/03						
75131	7	39/03	83034	1	23/04						
75132	11	25,29,32,35/03;9,21/04	83039	11	23/04						
75134	3	29,37,45/03;9,22/04	83425	6	3/04						
75142	5	35/03;9/04	83473	7	37/03						
75143	4	10/04	83484	10	23,42/03;24/04						
75144	3	25,30,38/03;10/04	83500	1	23/04						
75150	5</										

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 21/03 THROUGH NM 30/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
95243	4	15/04	97062	12	22,26,34,35/03;10,27/04	97262	10	21,26,33,46/03;2,13,14, 22/04	809679	2	N27/03
95250	4	22,36/03;19,26/04	97063	2	48/03*	97263	10	21,46/03;2,14/04			
95261	7	23,28,36,47/03;14,21, 26/04	97064	2	33,45/03	97266	5	26,42/03;1,2,7,23,27/04			
95262	13	27,36/03	97065	2	48/03*	97267	16	26,27,42/03;7,9,13/04			
95264	8	25/03	97080	6	21*,24/04	97268	10	24/04			
95267	6	15/04*	97082	5	34/03;10/04	97269	11	27/03;7/04			
95268	16	30/04	97083	3	29,34,35/03;27/04	97270	6	7,13/04			
95270	5	21/04*	97100	4	26,49/03;16,17,24/04	97271	12	26,35,41,44/03;9,17, 24/04			
95271	4	26,36/03;30/04	97101	2	50/03*						
95272	3	30/04	97104	4	41/03	97272	11	23,37,47/03;1,9,13,19/04			
95273	2	12/04	97105	3	41/03;17,24/04	97273	11	34*,52/03;1,9/04			
95274	4	15*,25/04	97108	4	50/03*	97274	19	23,37,47,52/03;7,9,21/04			
95276	4	1*,26/04	97120	6	25,40,44,45,49/03	97275	3	52/03*			
95280	10	21/04*	97140	17	25,40,44,45,46,49,52/03	97276	2	50/03*			
95281	15	36,45/03	97141	5	6/04	97277	12	21*,24/04			
95282	7	22,23/03;12,19/04	97143	12	21/04*	97278	12	14/04*			
95285	3	12/04	97144	14	39,44,49/03;6/04	97279	9	27/03			
95300	6	21*,22,26,30/04	97145	1	25,40,45,47/03	97281	3	50/03*			
95320	15	21,26,33,40/03;10,13,14, 26,28/04	97146	10	39/03	97285	6	36/03;7,21/04			
95341	8	40,44/03;10,13,14/04	97148	9	27/03	97286	6	35,36,38/03;26/04			
95342	16	10,13/04	97149	20	25/03;12/04	97300	6	25,26/03;6,22,27/04			
96000	5	17,20/04	97150	13	27,42,49/03	97303	3	45/03			
96004	14	16,25/04	97151	16	25,49/03	97304	1	22/04			
96016	7	51/03	97152	9	1*,6/04	97320	6	25,46/03;6,14,21,22/04			
96028	5	51/03;20/04	97153	8	52/03*;30/04	97340	8	22,36,46,47/03;9,14, 24/04			
96032	3	34,51/03;20/04	97155	14	28/03;10,12,20/04	97341	9	21,47/03			
96036	2	36/03;15/04	97157	2	40/03*;1/04	97342	14	22,27,43/03;24/04			
96039	7	23,44/03;8,15/04	97158	5	50/03*	97343	12	25/03;9/04			
96041	11	39,44,45/03;8,11,20/04	97163	14	36/03;11/04	97345	2	50/03			
96042	11	21,39,40,44,45/03;8,11, 20,26/04	97164	1	52/03	97360	6	27,43,45,47/03;30/04			
96043	8	11/04	97165	1	52/03	97380	7	23,38,40,45/03;17,23/04			
96044	10	23,38,51/03;2,7,20/04	97167	2	21/03;23/04	97381	7	27,43,45/03			
96080	6	25/04	97180	6	22,26,44/03;19/04	97382	2	42/03			
96100	2	25/04	97181	20	22,23,26,27,35,44,46/03; 1,7,19/04	97383	16	42,46,47/03;22,25/04			
96120	6	21/03	97182	13	21,22,23,27,35,46/03;1,9, 21,26,28/04	97385	10	46,47/03;22/04			
96181	5	25/04	97183	9	22,26,43,44/03	97387	2	42,46/03;10,25/04			
96320	4	51/03	97184	15	22,39,44/03	97389	2	45*,47/03			
96340	4	45,51/03	97185	2	46/03	97390	5	36/03;7,22/04			
96381	2	50/03	97187	3	2,16/04	97392	5	21,23,26,33,38/03			
96382	2	21/03	97188	3	50/03*;7,9/04	97396	14	23,33,38/03;2/04			
96440	3	11/04	97189	2	22,39,43/03	97397	7	26,44,49/03			
96441	1	50/03;20/04	97190	2	19/04	97398	4	43/03*;27/04			
96480	3	51/03;11/04	97200	9	22,25,26,29/03;17,23, 27/04	97400	4	34*,44,49/03			
96500	6	39/03;8,25/04	97201	7	28/03	97410	9	50/03*;2/04			
96520	7	8,20/04	97202	15	25/03;30/04	97412	7	47/03			
96521	3	21/03	97204	9	25,33,43,45,47/03;13, 25/04	97420	17	33,38,40,45/03;1,13,14, 17,23,24,28/04			
96540	5	11/04	97205	3	28/03	97421	13	26,36/03			
96560	5	51/03	97206	3	50/03*;13/04	97423	2	26,36/03;10,17/04			
96620	3	38/03;11/04	97218	3	33/03	97425	6	45/03;1,2,23,28/04			
96621	5	38/03;11/04	97219	4	23,25,47/03;13,27/04	97440	8	27,43,47/03;9,30/04			
96640	5	15/04	97220	3	23,29,33,46,49/03;6, 18/04	97441	5	47/03;14/04			
96645	1	15/04	97221	20	22,23,25,26,29,33,46/03; 6,7,11,13,17,18,24,27/04	97443	6	25,47/03			
96660	4	36/03	97222	12	22,29/03;11,17,24,27/04	97446	2	23,27/03			
96760	4	17/04	97223	3	22,23,46/03;21/04	97449	10	22,33,37/03;6,12,26/04			
96762	4	50/03*;16/04	97224	6	45/03;11/04	97451	2	21*,23/04			
96763	7	32,37,45/03;6,16,21, 26/04	97225	32	21*,27/04	97452	7	21/03;15,23/04			
96764	3	34/03*	97226	7	41/03;6,22/04	97453	7	21/03;15,23/04			
96883	9	11/04	97227	11	30,34/03	97454	8	800669	8	N1,N16/04	
96904	3	34/03*	97228	15	21,22,27,29,35,49,52/03; 7/04	97455	2	21*,23/04			
96939	3	22/03	97229	12	28,33/03;18,30/04	97456	1	800744	1	N36,N47,N50/03;N10, N30/04	
96941	8	47/03;9,16/04	97230	18	28,33/03	97457	8	97471	5	N22,N33,N37/03;N6,N10, N12/04	
96942	9	9/04	97231	11	23,33/03	97458	8	97472	8	33/03	
96943	15	22,23,33,42/03;19,23, 26/04	97232	9	7*,23/04	97459	7	97473	7	22/03;26/04	
96944	6	17/04	97233	12	15*,17/04	97460	7	97474	7	21/03;15,23/04	
96945	3	22,23,42/03;16,19/04	97234	17	41/03;7,22,24/04	97461	9	97475	7	21,47/03;9,23,26/04	
96947	15	23,25,27/04	97235	2	52/03*	97462	5	97476	9	21,22,23,26/03;9,26/04	
96948	8	21,22,03/30/04	97236	20	23,35,41/03;13,22/04	97463	9	97477	9	22,33,37/03;6,12,26/04	
96949	21	22/03	97237	6	41/03	97464	2	97478	7	11/04	
96960	3	47/03;16/04	97238	11	12/04	97465	9	97479	7	11/04	
96962	4	22,33/03;23,26/04	97239	10	23/03	97466	2	97480	7	21/03;15,23/04	
97000	3	40/03	97241	6	1,23,27,30/04	97467	8	97481	3	21*,23/04	
97005	9	47/03;17,27/04	97242	8	21,27,33/03;14,22/04	97468	9	97482	9	N25,N31/03;N14,N29/04	
97015	10	16,17/04	97243	8	21,27,33/03;14,22/04	97469	1	97483	1	N39,N52/03	
97021	7	40/03;16,17,19,20,21,25, 28/04	97244	11	12/04	97470	5	97484	5	802121	1
97026	10	23,30/04	97245	11	29/03	97471	5	802121	1	N22,N26/04	
97029	3	40/03;16/04	97246	7	13,25/04	97472	8	802121	1	N22,N26/04	
97040	5	23,24/04	97247	11	29/03	97473	8	802121	1	N22,N26/04	
97041	9	22/03	97248	4	36,52/03	97474	8	802121	1	N22,N26/04	
97042	7	27/04	97249	7	24,27/04	97475	8	802121	1	N22,N26/04	
97060	8	22,26/03;27/04	97250	15	21,26,44/03;1,13,22,23, 24,27/04	97476	2	802121	1	N22,N26/04	
97061	4	21/04*	97251	15	24,27/04	97477	7	802121	1	N22,N26/04	

## SECTION II

NM 30/04

## NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.					Edition		Price Category	Page(s)	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date					
REGION 1									
11ACO11400 (7642014010101)	Tampa Bay to Cape San Blas (LORAN-C)	456,394	<u>35</u>	<u>5/04</u>	NOS	1-94	30/04		
11AHA11513 (7642014010162)	St. Helena Sound to Savannah River (LORAN-C)	80,000	<u>24</u>	<u>5/04</u>	NOS	1-94	30/04		
11AHA11521 (7642014010159)	Charleston Harbor and Approaches (LORAN-C)	80,000	<u>27</u>	<u>5/04</u>	NOS	1-94	30/04		
12AHA12214 (7642014010303)	Cape May to Fenwick Island (LORAN-C)	80,000	<u>45</u>	<u>5/04</u>	NOS	1-94	30/04		
12AHA12222 (7642014010301)	<u>Chesapeake Bay-Cape Charles to Norfolk Harbor</u>	40,000	<u>46</u>	<u>5/04</u>	NOS	1-21,94	30/04		
16BHA16446 (7642014011307)	Constantine Harbor	10,000	<u>8</u>	<u>5/04</u>	NOS	1-97	30/04		
18BHA18524 (7642014011578)	Columbia River-Crims Island to Saint Helens	40,000	<u>34</u>	<u>6/04</u>	NOS	1-98	30/04		
18BHA18587 (7642014011579)	<u>Coos Bay</u>	20,000	<u>69</u>	<u>5/04</u>	NOS	1-84,98	30/04		
18BHA18622 (7642014011585)	Humboldt Bay	25,000	<u>53</u>	<u>5/04</u>	NOS	1-98	30/04		
18BHA18704 (7642014011590)	<u>San Luis Obispo Bay-Port San Luis</u>	20,000	<u>13</u>	<u>5/04</u>	NOS	1-86,99	30/04		
MISCELLANEOUS CHARTS AND PUBLICATIONS									
DNCDX014 (7644014337948)	Central America/Caribbean Sea		<u>22</u>	<u>5/04</u>	DS	10-43	30/04		
DNCDX017 (7644014337969)	Eastern United States		<u>36</u>	<u>5/04</u>	DS	10-43	30/04		
MINLS1114A (7642014007890)	Tampa Bay to Cape San Blas (LORAN-C)	456,394		<u>2004</u>	NOS	10-25	30/04		
NOSPBCP5 (7642014008453)	No. 5 Gulf of Mexico, Puerto Rico, and Virgin Islands, 2004		<u>32</u>		NOS	10-25	30/04		

Price Categories effective 1 October 2002

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D	10.75	F	9.00	H	2.50	R	2.50

CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

UKHO United Kingdom Hydrographic Office

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## **SECTION II**

# **NAVIGATION PUBLICATIONS**

NM 30/04

# SAILING DIRECTIONS CORRECTIONS

**PUB 154**      **8 Ed 2002**      **LAST NM 28/04**

Page 253—Line 3/R; insert after:

Dead Tree Point Radiobeacon is situated 0.7 mile SW of Dead Tree Point.

(Can PAC 206) 30/04

Page 253—Lines 8 to 9/R; read:  
the shallow spit extending from Spit Point. The front lighted  
beacon is fitted with a racon.

(Can PAC 206) 30/04

## **COAST PILOT CORRECTIONS**

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15260	<i>WHOI Lighted Buoy Z</i>	41 16 01 N 71 01 46 W				Red nun.	Private aid.
	*	*					30/04
15625	<i>WHOI Lighted Buoy W</i>	41 15 40 N 71 01 44 W	Fl Y 4s			Yellow.	Private aid.
	*	*					30/04
15627	<i>WHOI Lighted Buoy E</i>						<i>Remove from list.</i>
							*
15630	<i>WHOI Lighted Buoy V</i>	41 15 38 N 71 02 19 W	Fl Y 4s			Yellow.	Private aid.
	*	*					30/04
15635	<i>WHOI Lighted Buoy X</i>	41 15 56 N 71 02 19 W	Fl Y 4s			Yellow.	Private aid.
	*	*					30/04

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>*Delete Heading: *Delaware River (Main Channel)</b>							
2896	- Wreck Lighted Buoy WR2M						<i>Remove from list.</i>
							*
							30/04
<b>*Delete Heading: *Naples Bay Channel *Bulkhead Bar Range</b>							
2897	DEEPWATER RANGE FRONT PASSING LIGHT		Oc R 4s	30	6	On skeleton tower. Same structure as Deepwater Range Front Light.	
							30/04
12085	- Channel Lighted Buoy 49 70 feet outside channel limit.		Q G	3	Green.		Replaced by can when endangered by ice.
	*						30/04
<b>Durant Point</b>							
32320	- LIGHT 2	35 14 15 N 75 40 49 W	Q R	3	Red.		
				*	*		30/04
32480	UPPER MIDDLE GROUND LIGHT UM	35 16 45 N 76 20 44 W	Fl W 6s	15	6	NB on pile.	Ra ref.
	*				*		30/04
*32902	Jordan Creek Lighted Buoy 1	35 27 22 N 76 36 20 W	Fl G 4s			Green.	Private aid.
							30/04

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
34930	- Entrance Daybeacon 5						Remove from list.  * 30/04

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3170	- LIGHT 97		Q G	16	3	SG on pile.	* 30/04
6720 37885	- LIGHT A	30 43 06 N 81 28 18 W	Fl W 6s	16	3	NB on pile.	* 30/04
6860 37825	- LIGHT B	30 44 24 N 81 28 54 W	Fl W 4s	16	3	NB on pile.	* 30/04
6890 37795	- LIGHT C	30 45 06 N 81 29 36 W	Fl W 6s	16	3	NB on pile	* 30/04
*8803	- Buoy 17A					Green can.	30/04
*23372	- Mooring Buoy	27 51 30 N 82 27 10 W				White with blue stripes.	30/04
23375	- Daybeacon 6					TR on pile.	30/04
37795 6890	- LIGHT C	30 45 06 N 81 29 36 W	Fl W 6s	16	3	NB on pile.	* 30/04
37825 6860	- LIGHT B	30 44 24 N 81 28 54 W	Fl W 4s	16	3	NB on pile.	* 30/04
*40473	- Buoy 68A					Red nun.	30/04

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
770	Ship Shoal Obstruction Lights	28 54 52 N 91 04 16 W		5	Brown skeleton structure on piles. (Abandoned Lighthouse.)	Shows 2 Quick Flashing White Obstruction lights, flashing simultaneously, displayed at a height of 17 feet from perimeter of lower platform.	
				*			30/04
7115	- SPOIL BANK LIGHT 4					Remove from list.	
				*			30/04
7125	- SPOIL BANK LIGHT 2					Remove from list.	
				*			30/04
7514.1	MISSISSIPPI GULF KEESLER FISH REEF LIGHT	30 21 54 N 88 53 00 W	Fl Y 6s	8	NY on pile.	Private aid.	
		*					30/04
10480	RESERVE RELIEF CANAL LIGHT 2	30 10 23 N 90 32 57 W	Fl R 4s	17	4 TR on pile.	Ra ref.	
		*					30/04
*27428	TEXAS A RESEARCH LIGHT D	27 48 32 N 97 08 31 W	Fl Y 2.5s	10	NY on tower.	Private aid.	
							30/04
*27853	TEXAS A RESEARCH LIGHT C	27 47 59 N 97 14 26 W	Fl Y 2.5s	10	NY on tower.	Private aid.	
							30/04
*27872	TEXAS A RESEARCH LIGHT B	27 50 23 N 97 20 26 W	Fl Y 2.5s		NY on tower.	Private aid.	
							30/04
*27873	TEXAS A RESEARCH PLATFORM	27 48 01 N 97 21 11 W	Fl Y 2.5s	10	NY on tower.	Private aid.	
							30/04
*33347	BAYOU SEGNETTE PUMP STATION DANGER LIGHTS (3)	29 53 45 N 90 09 32 W	Fl W 4s	9	On dolphins. NW on upstream and downstream dolphins WORDED: DANGER WATER DISCHARGE.	Private aids.	
							30/04

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4270	LIME POINT LIGHT	37 49 30 N 122 28 42 W	Fl W 4s	15	8	On post.	HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si).
		*					30/04
28677	- Lighted Buoy B	21 28 59 N 157 44 00 W	Fl Y 2.5s			Yellow.	
		*					30/04

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## SECTION II

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### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004

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(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
28678	- Lighted Buoy C	21 28 48 N 157 42 49 W	F1 Y 4s			Yellow.	
		*					30/04
28679	- Lighted Buoy D	21 28 00 N 157 41 55 W	F1 Y 2.5s			Yellow.	
		*					30/04
28679.1	- Buoy E	21 27 43 N 157 42 30 W				Yellow can.	
		*					30/04
*29137	Ala Wai Debris Trap Buoy	21 17 16 N 157 50 24 W				White sphere with orange diamond worded DANGER DEBRIS TRAP.	Private aid.
							30/04

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### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2004

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(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*17079.1	FOUR MILE BUOY 7					Green.	

30/04

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## SECTION II

### CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15122 <i>J 5812.54</i>	-Entrance Range, front.	13° 06.5' N 59° 37.7' W	Iso.G. period 2s			Black metal framework tower, red rectangular daymark, yellow stripe.	*
				*		*	30/04
15122.1 <i>J 5812.56</i>	--Rear, 190 meters 088° from front.	13° 06.5' N 59° 37.6' W	Oc.G. period 4.5s lt. 3s, ec. 1.5s			Black metal structure, red rectangular daymark, yellow stripe.	*
						*	30/04
*15730 <i>G 0930</i>	-Old Lighthouse.	20° 30.4' N 86° 57.3' W	Fl.W. period 5s	56 17	15	White concrete tower; 49.	
							30/04
*16088 <i>G 0930</i>	Klein Bonaire, SW. point.	12° 09.4' N 68° 19.6' W	Fl.(2)W. period 20s fl. 1s, ec. 6s fl. 1s, ec. 12s	20 6	9	White round tower; 16.	Visible 278°-143°, obscured elsewhere.
							30/04
19484 <i>G 0930</i>	-N. breakwater, head.	38° 34.9' S 58° 41.7' W	Oc.R. period 6s lt. 4s, ec. 2s	26 8	6	Red concrete tower, square base; 10.	
				*			30/04
19488 <i>G 0928</i>	-S. breakwater, head.	38° 35.1' S 58° 41.5' W	Oc.G. period 6s lt. 4s, ec. 2s	36 11	6	Yellow metal tower, black band; 20.	
				*	*	*	
19496 <i>G 0928.19</i>	-Range, front.	38° 35.0' S 58° 41.7' W	Iso.G. period 2s	23 7	5	Orange masonry tower; 6.	Visible 134°-222°.
				*	*	*	*
19497 <i>G 0928.2</i>	--Rear, about 33 meters 134°42' from front.	38° 35.0' S 58° 41.7' W	Iso.G. period 2s	26 8	5	Orange truncated conical tower on round base; 12.	
				*	*	*	
19501 <i>G 0932.6</i>	-Segunda, on S. breakwater.	38° 34.9' S 58° 41.9' W	Iso.G. period 2s	26 8	8	Black masonry tower; 15.	
				*	*	*	*
19504 <i>G 0932</i>	-Entrance Range, front, on S. breakwater.	38° 34.9' S 58° 42.1' W	Iso.R. period 2s	33 10	10	White truncated conical tower, red band; 26.	
				*	*	*	
19508 <i>G 0932.1</i>	--Rear, 919 meters 293° from front.	38° 34.7' S 58° 42.6' W	Iso. W. period 4s	141 43	16	On chimney, red and white triangular daymark, point down.	
				*	*	*	
19516 <i>G 0934</i>	-Second Range (Enfilacion Escollera), front.	38° 35.1' S 58° 41.6' W	Iso.R. period 2s	30 9	5	Masonry tower, yellow and black triangular daymark, point up; 13.	
				*	*	*	

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## SECTION II

### CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19520 <i>G 0934.1</i>	-Rear, about 59 meters 134°42' from front.	38° 35.1' S 58° 41.6' W	Iso.W. period 2s	43 13	8	Black truncated conical tower, red band, on round base; 22.	*
19524 <i>G 0935</i>	-Inner Range (Enfilacion del Fondo), front.	38° 34.5' S 58° 42.4' W	Fl.R. period 3s fl. 0.5s, ec. 2.5s	75 23	5	On grain loader, red rectangular daymark with white triangle, point up.	Visible 308°45'-316°45'. *
19528 <i>G 0935.1</i>	-Rear, about 366 meters 314°42' from front, on grain elevator.	38° 34.3' S 58° 42.6' W	Iso.W. period 2s	79 24	8	Red rectangular daymark with white triangle, point down.	Visible 308°45'-316°45'. *
19532 <i>G 0938</i>	-Espigon Este.	38° 34.7' S 58° 42.1' W	Oc.R. period 5s lt. 3s, ec. 2s	40 12	5	Red metal structure; 5.	30/04
			*	*	*	*	

### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
NEW PLYMOUTH:							
4804 <i>K 4090</i>	-Mikolahi.	39° 03.4' S 174° 01.8' E	Fl.(2)W. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	100 30	10	Gray iron tower, white top.	Visible 066°-127°, 133°-159°, and 171°-242°.
	*		*				30/04
4808 <i>K 4092</i>	-Outer breakwater, head.	39° 03.1' S 174° 02.5' E	Fl.(3)G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	43 13	10	Black pole, orange bands; 20.	Fl.Y. 2s marks wave recorder 480 meters SE.
			*				30/04
4812 <i>K 4092.8</i>	-Lee breakwater, head.	39° 03.4' S 174° 02.7' E	O.(4)R. period 6s	43 13	5	Black column, yellow bands; 30.	
	*		*				30/04
4828 <i>K 4091</i>	-AVIATION LIGHT.	39° 00.7' S 174° 10.7' E	Fl.W. period 3.7s fl. 0.2s, ec. 3.5s	138 42	15	Control tower.	Occasional. Aero Radiobeacon 0.5 mile N.
			*				30/04

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
810 <i>F 6741.4</i>	Sitsukari Toge.	42° 35.1' N 140° 28.4' E	Fl.(2)R. period 6s	39 12	5	Red round tower; 20.	
	*		*	*	*		30/04

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## SECTION II

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*1971 -Breakwater. <i>F 7327</i>		35° 31.5' N 132° 58.2' E	F.F.I.G. period 6s	43 13	F. 6 Fl 10	White tower; 39.	30/04
1972 -S. breakwater. <i>F 7328</i>		35° 31.5' N 132° 58.3' E	F.F.I.R. period 6s	36 11	F. 3 Fl 7	Red round concrete tower; 31.	30/04
		*	*	*	*	*	30/04
2352 Mio O Shima. <i>F 7283.52</i>		35° 39.7' N 134° 30.2' E	F.I.W. period 4s	233 71	7	White round concrete tower; 28.	30/04
		*	*	*	*	*	30/04
3040 -Yabuta Ko, breakwater. <i>F 7167.4</i>		36° 53.3' N 137° 00.1' E	F.I.R. period 3s	36 11	3	Red round concrete tower; 31.	30/04
		*	*	*	*	*	30/04
3080 -W. breakwater, head. <i>F 7156</i>		36° 47.2' N 137° 05.0' E	F.I.(2)R. period 7s	33 10	5	Red tower; 32.	30/04
		*	*	*	*	*	30/04
3084 --Detached E. breakwater, head. <i>F 7152</i>		36° 47.2' N 137° 05.0' E	F.I.(2)G. period 7s	46 14	3	White tower; 33.	30/04
		*	*	*	*	*	30/04
<b>SINMINTO:</b>							
3092 -Toyama Sinko, W. breakwater. <i>F 7151.4</i>		36° 46.9' N 137° 06.9' E	F.I.(2)R. period 6s	52 16	5	Round concrete structure; 49.	30/04
		*	*	*	*	*	30/04
3096 --E. breakwater. <i>F 7151</i>		36° 47.0' N 137° 07.1' E	F.I.(2)G. period 6s	52 16	7	White round concrete structure; 49.	30/04
		*	*	*	*	*	30/04
3188 Nadachi Ko. <i>F 7132.5</i>		37° 10.2' N 138° 05.2' E	Iso.R. period 6s	43 13	4	White round concrete tower; 36.	30/04
		*	*	*	*	*	30/04
18504 -Xingang, center of channel. <i>F 3910</i>		38° 58.8' N 117° 44.1' E	Oc.W. period 5s lt. 4s, ec. 1s	92 28	Steel framework structure, black diamond daymark; 92.	Marks center of two-way channel.	30/04
		*	*	*	*	*	30/04

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1244 -La Tranche-sur-Mer, Estacade, <i>D 1215</i> extremity.		46° 20.6' N 1° 25.5' W	F.I.(2)R. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 6	6	Red support; 13.	30/04
		*	*	*	*	*	30/04

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## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1336 <i>D 1244.4</i>	--SE. angle, on caisson.	46° 09.6' N 1° 14.3' W	Oc.R. period 4s lt. 3s, ec. 1s	23 7	6	White pylon, red top; 13.	Iso.G. 4s at head of jetty 0.35 mile E.
			*				30/04
1344.5 <i>D 1246</i>	-S. jetty, head.	46° 09.5' N 1° 13.5' W	Oc.(3)G. period 12s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 1.5s lt. 1.5s, ec. 4.5s	19 6	7	White beacon, green top; 13.	
			*				30/04
1348 <i>D 1244.8</i>	-W. jetty, head.	46° 09.3' N 1° 13.9' W	Oc.(2)G. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	42 13	9	White tower, green top; 36.	
			*				*
1384 <i>D 1256</i>	-Ile d'Aix.	46° 00.6' N 1° 10.7' W	Fl.W.R. period 5s fl. 0.3s, ec. 4.7s	79 24	W. 24 R. 20	Two round white towers, red tops; one tower for the light, the other as a screen to make N. limit of red sector more pronounced; 56.	W. 118°-103°, R.-118°.
			*				*
2808 <i>D 1814</i>	-Breakwater, S. head.	42° 30.8' N 8° 49.2' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	8	Prismatic tower; 20.	
			*				30/04
4636 <i>E 0141.5</i>	San Pedro del Pinatar, N. dique, head.	37° 49.3' N 0° 45.1' W	Fl.(4)G. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	43 13	4	Green post; 10.	Fl.(4)R. 12s 6m 3M marks head of S. dique.
		*	*	*	*	*	*
5712 <i>E 0396.2</i>	-Dique de levante, head.	41° 12.3' N 1° 43.7' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	59 18	5	Green tower, white base; 36.	
		*					30/04
5716 <i>E 0396.3</i>	-N. extremity.	41° 12.6' N 1° 44.0' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	2	Green truncated pyramidal tower; 10.	
		*					30/04
5718 <i>E 0396.12</i>	-Nuevo contradique.	41° 12.6' N 1° 43.7' E	Fl.(2)R. period 7s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4s	49 15	3	Red truncated pyramidal tower; 16.	
		*					30/04

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## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5720 <i>E 0396.14</i>	-Dique de poniente, head.	41° 12.6' N 1° 43.8' E	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	2 10.	Red truncated pyramidal tower;	
			*				30/04
5732 <i>E 0396.5</i>	-Espigou Transversal, head.	41° 12.7' N 1° 44.0' E	Fl.(2+1)R. period 21s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 13.5s	29 9	2	Red pyramidal tower, green band; 9.	
			*		*		30/04
5864 <i>E 0437</i>	-San Adrian de Besos, pier.	41° 26.4' N 2° 14.8' E	Fl.(4)Y. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	13 4	3	Yellow post; 13.	
			*	*	*		30/04
<b>GOLFE DE ST. TROPEZ:</b>							
7000 <i>E 0778</i>	-Sainte Tropez, jetty, head.	43° 16.3' N 6° 38.0' E	Oc.(2)W.R. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	49 15	W. 14 R. 11	Tower, red top; 53.	W. 228°-245°, R.-228°.
			*	*	*		*
7012 <i>E 0784.2</i>	--Groyn.	43° 16.1' N 6° 35.5' E	Fl.G. period 2s fl. 0.4s, ec. 1.6s	7 2	1	Dark green support; 7.	
			*				30/04
7024 <i>E 0788</i>	-Sainte Maxime-sur-Mer, Jetee Sud, W. head.	43° 18.3' N 6° 38.3' E	O.(3)G. period 4s	26 8	14	Green and white support; 16.	
			*				30/04
7028 <i>E 0788.4</i>	-Jetele Ouest, S. head.	43° 18.3' N 6° 38.2' E	Fl.R. period 2s fl. 0.4s, ec. 1.6s	7 2	1	Red support; 3.	
			*		*		30/04
7052 <i>E 0793</i>	--Bassin Sud, W. jetty, head.	43° 24.5' N 6° 46.9' E	Oc.(2)W.R. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	33 10	W. 10 R. 7	White pylon, red top; 26.	W. 040°-057°, R.-084°, W.-122°, R.-040°.
			*				30/04
22844 <i>D 2486</i>	-(Dique de Poniente), W. breakwater, head.	35° 53.8' N 5° 18.7' W	Fl.G. period 5s fl. 1s, ec. 4s	43 13	10	Green tower; 20.	Siren: 1 bl. ev. 15s (bl. 2s, si. 13s).
			O(--) period 72s				*
30/04							
-RACON.							

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 Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO PUB 113, RADIOBEACONS, 2003 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
	1500 Ceuta (Dique de Poniente Light Station), Spain						Remove from list.  * 30/04

### CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1208 - No. "11". A 0866.7		50° 56.2' N 0° 46.0' E	Q.G.	10 3	6	Wooden structure, green triangular daymark; 10.	Traffic signals.  * 30/04
*1901 --291°. A 2491.5		53° 38.4' N 0° 11.9' W	Dir.W.R.G.	56 17	3	On building.	G. 287°30'-288°30', Al. W.G.- 290°30', W.-291°30', Al. W.R.- 293°30', R.-294°30'. Shown 24 hours.  30/04

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7680 Torhamn. C 7432		56° 06.0' N 15° 50.0' E	Fl.W.R.G. period 3s	20 6	W. 4 R. 3 G. 2	Framework mast, white rectangular daymark.	G. 001°-013°30', W.-016°30', R.-044°.  * 30/04

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.

Denotes a new entry when preceding the station number.

## SECTION II

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 30/04

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.	
<b>NGA HYDRO CATALOG CATP2V01U</b>									
Region 1	2002	1*,2,3,4,7,8,9,10,11, 14,15,17,19,20,21, 22,23,24,25,26,27, 28,29,30,31,32,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,50,51,52/03;1,2, 3,5,6,8,9,10,11,12, 13,14,15,16,17,18, 19,20,21,22,23,24, 25,26,28,29,30/04	CDPUBSD158 CDPUBSD160 CDPUBSD164 CDPUBSD174 CDPUBSD191 CDPUBSD192 CDPUBSD193 CDPUBSD194 SDPUB120	2003 2004 2003 2004 2004 2003 2004 2004 2001	24/03* 25/04* 16/04* 26/04* 29/04* 32*,36,38,39,40,41, 42,43/03 27/04* 28/04*	24/03* 25/04* 16/04* 26/04* 29/04* 32*,36,38,39,40,41, 42,43/03 12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12,14,17,20, 21,23,29,30,31,41, 42,44,45,52/03;5,9, 12,14,15/04	<b>USCG LIGHT LIST VOLUMES I - VII</b>	2004	22*,23,24,25,27,28, 29,30/04 23*,24,25,26,27,28, 29,30/04 23*,24,25,26,27,28, 29,30/04 23*,24,25,26,27,28, 29,30/04 22/04* 22*,23,24,25,26,27, 28,29,30/04 22*,23,24,25,26,28, 29,30/04
Region 2	2002	1*,8,15,17,20,21,22, 23,24,26,28,30,32, 33,34,44,48,52/03;2, 3,5,7,10,11,14,15, 20,22,24,25/04	SDPUB123	2001	45*,47,48,49/01;1,14, 17,18,19/02;24,25, 27,28,32,38,42/03	<b>FLEET GUIDES</b>	2004	N17/04*	
Region 3	2002	1/03*,19,23,24, 28/04	SDPUB126	2002	39*,41,42,43,44,45, 48/02;24,26,27,28, 30,32,41/03;12,16, 23,24,25/04	<b>NOS MISCELLANEOUS PUBLICATIONS</b>	2000	34/00*	
Region 4	2002	1*,23,43/03	SDPUB141	2001	21*,38/01	NOSPBCATALOG2	2000	28/00*	
Region 5	2002	1*,3,5,8,22,27,30, 33,38,48/03;1,9,10, 14,20/04	SDPUB147	2001	35/01*,21,22,23, 24/02,39,40,41,46, 50/03;10,12,15, 19/04	NOSPBCATALOG3	2000	34/00*	
Region 6	2002	1*,10,11,13,16,19, 20,21,25,28,30,33, 38,50/03;11/04	SDPUB148	2001	48/01*,23,24/02;22, 42,43,45,48,50, 52/03;5,13,14,22/04	NOSPBCATALOG4	2003	19/04*	
Region 7	2002	1*,11,15,28/03	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14,19, 23,30,41,42,47/03; 10,12,13,16,19,20, 28,30/04	NOSPBCATALOGA	2003	19/04*	
Region 8	2002	1*,14,37,41,46, 52/03	SDPUB159	2002	42*,48/02;10,13, 15/04	NOSPBCATALOGG	2003	19/04*	
Region 9	2002	1*,34,40,43,45,48, 50,51,52/03;1,7,11, 14,15,21/04	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03;10,14/04	<b>ALMANACS</b>	2004	29/03*	
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21,23,24,25,27,28, 29,30,31,32,33,34, 36,37,38,39,41,42, 43,45,46,47,48,49, 51,52/03;1,4,5,6,7,9, 10,11,13,14,16,17, 18,19,20,21,22,23, 24,25,26,27,28,29, 30/04	SDPUB162	2001	51/01*,5,12/03; 12/04	AIRALMANAC401	2004	29/03*	
			SDPUB163	2002	18*,20,21,26,46, 51/02;13,24,26,27, 28,29,30,31,39,40, 41,43,47,48/03;12, 16,23,24/04	NAUTALMANAC04	2004	29/03*	
<b>NGA LIST OF LIGHTS</b>									
LLPUB110	2004	10*,14,15,19,21,22, 23,24,29,30/04	SDPUB171	2001	40*,47,48,52/01;5,9, 14,16,41/02;23,24, 26,41/03	<b>COAST PILOT</b>	34	18*,21,24,04	
LLPUB111	2003	33*,34,35,36,37,38, 39,40,41,43,45,47, 49,50,51,52/03;1,2, 3,4,7,8,9,10,11,12, 13,14,15,17,18,19, 21,22,24,27,29, 30/04	SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12,13, 14,15,19,20,22,23, 25,26,27,28,29,31, 32,33,34,35,37,38, 39,40,43,44,45,46, 47,48,51/03;1,2,3,4, 5,8,9,12,13,14,17, 19,20,21,22,24/04	NOSPBCP2	33	5*,6,9,20,25,26, 27/04	
LLPUB112	2004	7*,9,10,11,12,14,15, 16,17,18,19,20,21, 22,23,24,25,26,27, 30/04	SDPUB173	2002	50*,51/02;3,22,24, 25,26,27,32,33,34, 37,38,49,50,51/03;	NOSPBCP3	37	14*,18,21,25,28/04	
LLPUB113	2003	46*,48,49,50,51, 52/03;1,2,3,4,5,6,7, 8,9,10,11,12,13,14, 15,16,17,18,19,20, 21,22,23,24,25,26, 27,28,29,30/04	SDPUB175	2001	13,16,17/04	NOSPBCP4	35	34*,36,39,42,44,46, 47,51/03;6,7,8,9,11, 12,19,20,21,24,26, 27,28/04	
LLPUB114	2004	18*,21,22,23,24,25, 26,27,29,30/04	SDPUB180	2002	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02; 26,27,29,32,37,38, 43,47/03	NOSPBCP5	32	30/04*	
LLPUB115	2003	42*,44,46,47,48,49, 51,52/03;1,3,5,7,10, 12,13,14,15,16,17, 20,22,23,24,26,27, 28,29/04	SDPUB181	2002	50*,51/02;3,22,24, 25,26,27,32,33,34, 37,38,49,50,51/03;	NOSPBCP6	34	13*,18,19,25,26, 27/04	
LLPUB116	2004	23*,28,30/04	SDPUB182	2001	38*,39/02	NOSPBCP7	36	18*,19,20,21,23,24, 27/04	
<b>SAILING DIRECTIONS</b>									
CDPUBSD124	2004	25/04*	SDPUB183	2001	8*,10,12,41/02; 17/03	NOSPBCP8	25	32*,33,34,39,42,48, 51/03;1,7,8,10,17, 18,20,21,22,23/04	
CDPUBSD125	2004	27/04*	SDPUB195	2002	27/01*,13,15,16/02; 18/03	NOSPBCP9	21	30*,32,33,36,39,42, 48,51/03;8,18,19,20, 23,25,26,28,29/04	
CDPUBSD127	2004	29/04*	SDPUB197	2002	50*,51/02;3,22,24, 25,26,27,32,33,34, 37,38,49,50,51/03;	<b>RADIO NAVIGATIONAL AIDS</b>	2002	50/02*,13/03	
CDPUBSD131	2002	9/03*	SDPUB198	2002	13,16,17/04	RAPUB117	2002	50/02*,13/03	
CDPUBSD132	2003	6/04*	SDPUB200	2002	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02; 26,27,29,32,37,38, 43,47/03	<b>AMERICAN PRACTICAL NAVIGATOR</b>	2002	36/02*,14,38/03	
CDPUBSD140	2003	25/04*				CDPUBNV102	2003	20/03*	
CDPUBSD142	2004	24/04*				<b>INTERNATIONAL CODE OF SIGNALS</b>			
CDPUBSD143	2003	46/03*				NVPUB9	2002	36/02*,14,38/03	
CDPUBSD145	2003	51/03*				<b>WORLD PORT INDEX</b>			
CDPUBSD146	2002	4/03*				NVPUB150	2000	50/00*,14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7,10, 15,20/03	
CDPUBSD153	2003	26/04*				<b>DISTANCES BETWEEN PORTS</b>			
CDPUBSD155	2004	29/04*				NVPUB151	2001	4/02*	
CDPUBSD157	2004	29/04*				<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>			
						CDPUBNV1310	2001	51/01*	

## SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 30/04**

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NGA Reference No.	Ed.	Notice to Mariners No.		
<b>SIGHT REDUCTION TABLES (MARINE)</b>				
SRPUB229V1	1970	11/71*		
SRPUB229V2	1970	11/71*		
SRPUB229V3	1970	7/71*		
SRPUB229V4	1970	3/71*		
SRPUB229V5	1970	3/71*		
SRPUB229V6	1970	23/70*		
<b>SIGHT REDUCTION TABLES (AIR)</b>				
SRPUB249V1	2000	4/01*		
SRPUB249V2	1952	46/52*		
SRPUB249V3	1952	46/52*		
<b>CHART NO. 1</b>				
WOBZC1	1997	18/98*		
<b>CHART NO. 4</b>				
WOBZC4	1988	N23/91*		
<b>ATLAS OF PILOT CHARTS</b>				
NVPUB106	2002	42/03*		
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
<b>USCG NAVIGATION RULES</b>				
COMDTM166722D	1999	44/99*;52/00;16/04		
<b>NOS TIDE TABLES</b>				
NOSPBTTCWPACIN4	2004	N1/04*		
NOSPBTTECSTNSA4	2004	N1/04*		
NOSPBTTEURAFR4	2004	N1/04*		
NOSPBTWCSTNSA4	2004	N1/04*		
<b>TIDAL CURRENT TABLES</b>				
NOSPBTCTATCSTN4	2004	N1/04*		
NOSPBTCTPACAS4	2004	N1/04*		

## SECTION III

NM 30/04

### BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

#### NAVAREA IV

Messages in force 081100Z July 2004:

2003 series	128(26)	198(11)	226(14)	238(GEN)
108(26,27)	184(11)	200(11)	232(GEN)	239(GEN)
2004 series	190(11)	207(24,25,26)	237(24)	

The summary of all NAVAREA IV messages in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04 and 26/04.

#### NAVAREA IV WARNINGS issued from 011100Z to 081100Z July 2004.

233/04 thru 236/04. CANCELED.

237/04(24). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 2000Z TO 0500Z COMMENCING DAILY 12 JUL THRU 12 AUG WITHIN 12 MILES OF TRACKLINE BETWEEN 05-19N 052-47W AND 05-04N 052-30W.
2. CANCEL THIS MSG 130600Z AUG.

(070902Z JUL 2004)

238/04(GEN). NORTH ATLANTIC. RADIO SERVICES.

1. U.S. COAST GUARD STATIONS BOSTON AND INTERNATIONAL ICE PATROL GROTON CT WEATHER FACSIMILE OFF AIR.
2. CANCEL NAVAREA IV 236/04.

(072130Z JUL 2004)

239/04(GEN).

1. NAVAREA IV MESSAGES IN FORCE 080800Z JUL 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 184(11), 190(11), 198(11), 200(11), 207(24,25,26), 226(14), 232(GEN), 237(24), 238(GEN), 239(GEN).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/04.
3. CANCEL NAVAREA IV 233/04.

(080348Z JUL 2004)

## SECTION III

### HYDROLANTS

Messages in force 081100Z July 2004:

2002 series	2410(54)	843(36)	1042(53)	1089(53)	1130(53)
245(GEN)	2413(54)	850(24)	1043(24,25,26)	1092(GEN)	1133(36,37)
246(GEN)	2414(54)	858(56)	1046(53,56)	1094(53)	1136(37,43)
2003 series	2416(54)	867(53)	1051(53)	1102(52,53)	1138(57)
604(26,27)	2418(52)	913(37,51)	1058(23,24)	1103(GEN)	1139(37)
1242(24)	2419(54)	918(24)	1065(24)	1104(37,43)	1141(57)
1422(53)	2420(54)	952(35)	1068(43)	1105(GEN)	1142(54,56)
1472(35)	2004 series	977(35)	1071(24)	1109(36)	1143(24)
1999(23)	224(24)	997(53)	1076(37,51)	1112(53)	1144(37)
2203(53)	272(24)	1003(24)	1077(57)	1115(23)	1146(24)
2297(24)	631(37)	1010(53)	1078(57)	1117(35)	1147(37)
2406(54)	649(55)	1018(43)	1080(25)	1121(53)	1149(53)
2407(54)	650(55)	1019(24)	1084(53,56)	1126(54)	1150(35,36,37)
2408(54)	668(56)	1031(23)	1087(GEN)	1128(51)	1151(36)
2409(54)	805(24)	1033(37)	1088(24)	1129(52,53,56)	1152(GEN)

The summary of all HYDROLANTS in force as of 11 December 2003 is given in Section III of NM 52/03.  
Warnings issued during the subsequent quarters are issued in NM 13/04 and 26/04.

### HYDROLANT WARNINGS issued from 011100Z to 081100Z July 2004.

1108/04. CANCELED.

1109/04(36). IRELAND-EAST COAST.  
 1. 40 FOOT OBJECT ADRIFT  
 VICINITY 53-19.7N 005-52.0W.  
 2. CANCEL THIS MSG 09 JUL.

(020133Z JUL 2004)

1110/04 and 1111/04. CANCELED.

1112/04(53). SICILIA-NORTH COAST.  
 GEOPHYSICAL OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
 BY M/V MAERSK DEFENDER TOWING 1000 METER LONG CABLE  
 ALONG TRACKLINE JOINING  
 38-11.8N 013-19.9E, 38-12.2N 013-20.1E,  
 38-12.3N 013-20.2E, 38-12.3N 013-20.2E,  
 38-12.5N 013-20.5E, 38-12.8N 013-21.4E,  
 38-13.0N 013-21.9E, 38-13.1N 013-22.0E,  
 38-13.1N 013-22.1E, 38-13.2N 013-22.1E,  
 38-13.3N 013-22.1E, 38-13.4N 013-22.1E,  
 38-13.8N 013-21.9E, 38-16.0N 013-20.0E,  
 38-19.2N 013-14.5E, 38-24.4N 012-52.0E.  
 ONE MILE BERTH REQUESTED.

(022025Z JUL 2004)

1113/04 and 1114/04. CANCELED.

1115/04(23). SOUTH ATLANTIC.  
 1. DERELICT F/V FE EN PESCA PARTIALLY SUBMERGED AND  
 ADRIFT IN 44-51S 061-21W.  
 2. CANCEL THIS MSG 10 JUL.

(030427Z JUL 2004)

1116/04. CANCELED.

1117/04(35). SCOTLAND-EAST COAST.  
 UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
 BY M/V SEAWAY EAGLE VICINITY 57-34N 000-54W. WIDE  
 BERTH REQUESTED.

(031143Z JUL 2004)

1118/04 thru 1120/04. CANCELED.

1121/04(53). STRAIT OF SICILY.  
 DISTRESS SIGNAL RECEIVED VICINITY STRAIT OF SICILY  
 (36-00N 014-00E). VESSELS IN VICINITY REQUESTED TO  
 KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS  
 TO MRCC ROME, TELEX: 4361 1172, PHONE: 3906 5908 4527,  
 FAX: 3906 5908 4793.

(041058Z JUL 2004)

## SECTION III

1122/04 thru 1125/04. CANCELED.

1126/04(54). EASTERN MEDITERRANEAN SEA. GUNNERY.

1. GUNNERY EXERCISES DURING DAYLIGHT HOURS DAILY 05 THRU 09 JUL  
IN AREA BOUND BY 34-37.9N 032-45.6E, 34-37.6N 032-50.9E,  
34-39.2N 032-50.5E, 34-39.2N 032-49.6E.
2. CANCEL THIS MSG 10 JUL.

(050039Z JUL 2004)

1127/04. CANCELED.

1128/04(51). MOROCCO.

1. NAVIGATION PROHIBITED 08 THRU 16 JUL IN AREA BOUND BY  
28-58.0N 010-36.0W, 29-07.0N 010-41.0W, 28-51.0N 011-13.0W,  
28-36.5N 011-28.5W, 28-30.0N 011-20.0W.
2. CANCEL THIS MSG 17 JUL.

(050515Z JUL 2004)

1129/04(52,53,56). STRAIT OF SICILIA.

1. DERELICT 6 METER VESSEL, WHITE HULL,  
PARTIALLY SUBMERGED AND ADRIFT IN  
35-06N 012-41E. REPORTS TO ANY COASTAL  
RADIO STATION.
2. CANCEL THIS MSG 12 JUL.

(051320Z JUL 2004)

1130/04(53). SARDEGNA-SOUTHEAST COAST.

OCEANOGRAPHIC OPERATIONS IN PROGRESS UNTIL  
FURTHER NOTICE BY M/V PROFESSOR LOGACHEV TOWING EQUIPMENT  
ALONG TRACKLINE BETWEEN 40-20N 009-50E AND 39-00N 009-50E.

(051326Z JUL 2004)

1131/04 and 1132/04. CANCELED.

1133/04(36,37). NORTH ATLANTIC.

1. 10 METER LONG PIPE ADRIFT VICINITY  
47-11.3N 008-30.5W AT 051535Z JUL.
2. CANCEL THIS MSG 12 JUL.

(051823Z JUL 2004)

1134/04 and 1135/04. CANCELED.

1136/04(37,43). NORTH SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V ODIN EXPLORER TOWING 4.5 MILE LONG CABLE  
IN AREA BOUND BY 56-08N 003-12E, 57-15N 002-15E,  
58-15N 004-00E, 57-50N 007-10E, 57-10N 007-10E.  
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 1040/04, 1136 REFERS.

(060802Z JUL 2004)

1137/04. CANCELED.

1138/04(57). SOUTH ATLANTIC.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V SEA SURVEYOR:  
A. VICINITY 31-42S 009-59E.  
B. ALONG TRACKLINE BETWEEN 29-27S 015-18E  
AND 32-14S 010-41E.  
WIDE BERTH REQUESTED.

(060922Z JUL 2004)

1139/04(37). NORTH ATLANTIC.

1. UNDERWATER OPERATIONS 08 THRU 12 JUL BY  
M/V CSO DEEP BLUE VICINITY 45-37N 003-30W.  
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 1137/04.
3. CANCEL THIS MSG 13 JUL.

(061635Z JUL 2004)

1140/04. CANCELED.

### SECTION III

NM 30/04

1141/04(57). SOUTH ATLANTIC.

M/V CHIN SHUN NO. 132 REPORTS CREWMAN WITH INTERNAL STOMACH BLEEDING IN 34S 012E. VESSELS IN VICINITY ABLE TO PROVIDE MEDICAL ASSISTANCE REQUESTED TO ASSIST IF POSSIBLE. REPORTS TO VESSEL OR CAPE TOWN RADIO OR MRCC CAPE TOWN.

(062308Z JUL 2004)

1142/04(54,56). EASTERN MEDITERRANEAN SEA.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 15 AUG BY M/V NAUTICAL TIDE IN AREA BETWEEN 33-44N 33-18N AND 032-05E 032-10E. TWO MILE BERTH REQUESTED.  
2. CANCEL THIS MSG 16 AUG.

(070238Z JUL 2004)

1143/04(24). SOUTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 121130Z TO 121600Z JUL IN AREA BETWEEN 13-17S 13-27S AND 038-24W 038-34W.  
2. CANCEL HYDROLANT 1107/04.  
3. CANCEL THIS MSG 121700Z JUL.

(070456Z JUL 2004)

1144/04(37). DOVER STRAIT.

CHART 37121 (11TH ED).

1. NORTH FORELAND DGPS STATION 51-22.5N 001-26.8E OFF AIR 0830Z TO 1700Z DAILY 07 AND 08 JUL.  
2. CANCEL THIS MSG 081800Z JUL.

(070806Z JUL 2004)

1145/04. CANCELED.

1146/04(24). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 2000Z TO 0500Z COMMENCING DAILY 12 JUL THRU 12 AUG IN AREAS BOUND BY:  
A. 04-57N 047-15W, 04-26N 047-19W,  
04-33N 048-20W, 05-04N 048-17W.  
B. 04-42N 045-53W, 04-24N 045-55W,  
04-33N 047-25W, 04-51N 047-23W.  
2. CANCEL THIS MSG 130600Z AUG.

(070907Z JUL 2004)

1147/04(37). ENGLAND-EAST COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V SEA PROFILER TOWING ONE 600 METER LONG CABLE WITHIN TWO MILES OF 53-16.4N 002-02.8E. WIDE BERTH REQUESTED.

(071108Z JUL 2004)

1148/04. CANCELED.

1149/04(53). ITALY-SOUTH COAST.

1. OCEANOGRAPHIC OPERATIONS 04 THRU 15 JUL BY M/V ITS MAGNAGHI IN AREA BOUND BY  
37-40.0N 015-49.7E, 37-40.0N 016-10.5E,  
37-56.0N 016-32.3E, 38-22.0N 016-32.3E,  
38-07.5N 016-11.5E, 37-53.0N 016-05.3E,  
37-53.0N 015-49.7E.  
ONE MILE BERTH REQUESTED.  
2. CANCEL THIS MSG 16 JUL.

(071112Z JUL 2004)

1150/04(35,36,37). WALES-EAST COAST. RADIO SERVICES.

MRSC MILFORD HAVEN 51-40N 005-11W MF DSC UNRELIABLE.

(071518Z JUL 2004)

1151/04(36). WALES-NORTHWEST COAST.

CHART 36122 (12TH ED).  
SKERRIES LIGHT 53-25N 004-36W  
A. MAIN LIGHT TEMPORARILY CHANGED TO FL (2) W 15 SEC  
13 MILES EXHIBITED DURING NIGHT TIME AND REDUCED  
VISIBILITY ONLY.  
B. SECTOR LIGHT PERMANENTLY CHANGED TO ISO RED 4 SEC  
10 MILES 233-253.

(080052Z JUL 2004)

### SECTION III

1152/04(GEN).

1. HYDROLANT MESSAGES IN FORCE 080800Z JUL 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2004 SERIES: 918(24), 952(35), 977(35), 997(53), 1003(24), 1010(53), 1018(43), 1019(24), 1031(23), 1033(37), 1042(53), 1043(24,25,26), 1046(53,56), 1051(53), 1058(23,24), 1065(24), 1068(43), 1071(24), 1076(37,51), 1077(57), 1078(57), 1080(25), 1084(53,56), 1087(GEN), 1088(24), 1089(53), 1092(GEN), 1094(53), 1102(52,53), 1103(GEN), 1104(37,43), 1105(GEN), 1109(36), 1112(53), 1115(23), 1117(35), 1121(53), 1126(54), 1128(51), 1129(52,53,56), 1130(53), 1133(36,37), 1136(37,43), 1138(57), 1139(37), 1141(57), 1142(54,56), 1143(24), 1146(24), 1147(37), 1149(53), 1150(35,36,37), 1151(36), 1152(GEN).

2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/04.

3. CANCEL HYDROLANT 968/04, 1023/04, 1025/04, 1035/04, 1119/04, 1124/04.

(080430Z JUL 2004)

## SECTION III

NM 30/04

### NAVAREA XII

Messages in force 081100Z July 2004:

2004 series	192(19)	198(18)	201(GEN)
	186(17)	197(GEN)	200(21)

The summary of all NAVAREA XII messages in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04 and 26/04.

#### NAVAREA XII WARNINGS issued from 011100Z to 081100Z July 2004.

198/04(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:

A. 34-02N 119-04W.	M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL
B. 33-52N 119-06W.	TO THE SHORELINE.
C. 33-29N 119-07W.	N. 34-24N 120-30W.
D. 33-29N 118-37W.	O. 34-08N 120-26W.
E. 33-20N 118-37W.	P. 34-08N 119-40W.
F. 32-11N 120-16W.	Q. 34-00N 119-40W.
G. 31-54N 121-35W.	R. 34-06N 119-13W.
H. 35-09N 123-39W.	S. 34-06N 119-11W.
I. 35-29N 123-00W.	T. 34-07N 119-10W.
J. 35-04N 122-43W.	U. 34-07N 119-07W.
K. 35-57N 121-32W.	V. 34-04N 119-04W.
L. 34-59N 120-42W.	
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 193/04.

(021156Z JUL 2004)

199/04. CANCELED.

200/04(21). NORTH PACIFIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 2000Z TO 0500Z COMMENCING DAILY 12 JUL THRU 12 AUG IN AREA BOUND BY 07-00N 092-22W, 05-28N 092-27W, 06-10N 109-14W, 07-43N 109-11W.
2. CANCEL THIS MSG 130600Z AUG.

(070912Z JUL 2004)

201/04(GEN).

1. NAVAREA XII MESSAGES IN FORCE 080800Z JUL 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2004 SERIES: 186(17), 192(19), 197(GEN), 198(18), 200(21), 201(GEN).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/04.
3. CANCEL NAVAREA XII 199/04.

(080444Z JUL 2004)

## SECTION III

### HYDROPACS

Messages in force 081100Z July 2004:

2001 series	23(62)	880(22)	1014(63)	1068(94,95)	1099(63)
1976(62)	278(63)	890(71)	1021(71)	1069(94,95)	1101(61)
2002 series	329(71)	891(71)	1024(73,81)	1071(63)	1102(93)
205(GEN)	402(62)	904(63)	1025(74)	1072(73)	1107(74)
206(GEN)	455(73)	910(22)	1033(62)	1076(74)	1112(74)
2330(62)	694(62)	912(94,95)	1035(97)	1077(83)	1113(74)
2003 series	701(94,97)	932(22)	1036(81)	1079(95)	1114(63)
207(62)	727(22)	940(62)	1040(97)	1080(95)	1115(63)
506(62)	754(62)	948(96)	1044(61)	1081(74)	1120(71)
993(62)	763(62)	965(63)	1049(61)	1082(GEN)	1121(83)
998(71)	776(29)	967(74)	1050(74)	1083(95)	1122(63)
1041(71)	778(75)	981(74)	1052(74)	1084(62)	1123(63)
1330(62)	779(97)	987(81)	1055(97)	1089(GEN)	1124(74)
1395(62)	795(62)	988(63)	1056(61)	1090(GEN)	1125(96)
1699(63)	801(61)	996(94,95)	1059(95)	1091(62)	1126(61)
1911(62)	817(74)	1000(63)	1060(63)	1092(63)	1127(93)
1982(GEN)	840(63)	1004(93)	1063(GEN)	1095(61)	1128(22)
2265(62)	842(61)	1011(62)	1065(62)	1096(GEN)	1129(22)
2004 series	843(61)	1013(63)	1066(62)	1098(63)	1130(GEN)

The summary of all HYDROPACS in force as of 11 December 2003 is given in Section III of NM 52/03.  
Warnings issued during the subsequent quarters are issued in NM 13/04 and 26/04.

#### HYDROPAC WARNINGS issued from 011100Z to 081100Z July 2004.

1095/04(61). AFRICA-EAST COAST.

CHART 61111 (12TH ED).

CABO DA INCHACA LIGHT 25-58.6S 032-59.3E UNLIT.

(011607Z JUL 2004)

1096/04(61). CALIFORNIA TO JAPAN.

39 FOOT S/V MIYA, WHITE HULL WITH RED STRIPES, ONE PERSON ON BOARD, UNREPORTED SAN DIEGO TO JAPAN VIA HAWAII AND TAHITI. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC ALAMEDA, TELEX: 2301 72343, PHONE: 510 437 3701.

(020623Z JUL 2004)

1097/04. CANCELED.

1098/04(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 060230Z TO 060830Z AND 080230Z TO 080830Z JUL IN AREA BOUND BY 17-35.0N 083-25.0E, 17-45.0N 083-53.0E, 16-58.0N 084-10.0E, 16-48.0N 083-42.0E.
2. CANCEL THIS MSG 080930Z JUL.

(022034Z JUL 2004)

1099/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 06 AND 09 JUL IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E, 09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 091630Z JUL.

(022049Z JUL 2004)

1100/04. CANCELED.

1101/04(61). INDIAN OCEAN.

40 FOOT F/V SENGalano, 20 PERSONS ON BOARD, DISABLED AND ADRIFT DUE TO ENGINE FAILURE IN 10-40S 046-08E. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC LA REUNION, INMARSAT: 42279 9193, TELEX: 916140, PHONE: 2622 6243 4343, FAX: 2622 6271 1595.

(022115Z JUL 2004)

1102/04(93). SOUTH CHINA SEA.

1. DERELICT 20 METER F/V, RED HULL WITH LIGHT GREEN STRIPE ON BOW IN 08-08N 108-39E AT 012330Z JUL.
2. CANCEL THIS MSG 09 JUL.

(022254Z JUL 2004)

1103/04 thru 1106/04. CANCELED.

1107/04(74). AUSTRALIA-SOUTHEAST COAST.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN  
33-53S 151-40E AT 030745Z JUL. VESSELS IN  
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,  
TELEX: 7162025, PHONE: 612 6230 6811,  
FAX: 612 6230 6868.

(030829Z JUL 2004)

1108/04 thru 1111/04. CANCELED.

1112/04(74). AUSTRALIA-NORTHEAST COAST.

CHART 74281 (7TH ED).

1. THIRTEEN SOUTH ROCK RACON 12-59.7S 143-43.5E  
DISCONTINUED.
2. CANCEL HYDROPAC 1075/04.

(040537Z JUL 2004)

1113/04(74). AUSTRALIA-EAST COAST.

DIVER OVERDUE VICINITY 24-40.0S 152-34.5E  
AT 040225Z JUL. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO RCC AUSTRALIA, TELEX: 716 2025,  
PHONE: 612 6230 6811, FAX: 612 6230 6868.

(040614Z JUL 2004)

1114/04(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1700Z  
DAILY 07 AND 08 JUL WITHIN 75 MILES  
OF 08-31.9N 076-52.1E.
2. CANCEL THIS MSG 081800Z JUL.

(051352Z JUL 2004)

1115/04(63). INDIA-EAST COAST.

CHART 63015 (11TH ED).

ODAS BUOY ESTABLISHED IN 13-59.4N 083-16.3E.

(051400Z JUL 2004)

1116/04 thru 1119/04. CANCELED.

1120/04(71). STRAIT OF MALACCA. GUNNERY.

1. GUNNERY EXERCISES 0001Z TO 1601Z  
06 THRU 10, 12 THRU 17, 19 THRU 24  
AND 26 THRU 31 JUL IN AREA BOUND BY  
04-14N 100-17E, 04-33N 099-48E,  
04-53N 100-06E.
2. CANCEL HYDROPAC 1057/04.
3. CANCEL THIS MSG 311701Z JUL.

(060506Z JUL 2004)

1121/04(83). FIJI ISLANDS.

CHART 83500 (1ST ED).

WELANGILALA LIGHT 16-45.2S 179-06.3W UNLIT  
AND RACON INOPERATIVE.

(060727Z JUL 2004)

1122/04(63). BAY OF BENGAL. ORDNANCE.

CHART 63270 (7TH ED).

UNEXPLODED ORDNANCE VICINITY 13-30N 080-45E.

(061340Z JUL 2004)

1123/04(63). INDIAN OCEAN.

ODAS BUOY ESTABLISHED IN 12-09.9N 090-47.8E.

(061349Z JUL 2004)

1124/04(74). AUSTRALIA-NORTHEAST COAST.

CHART 74272 (7TH ED).

THIRTEEN SOUTH ROCK LIGHT, FL WR 7.5 SEC 12 METERS 10/8 MILES  
WITH SECTORS WHITE 150-342, RED 342-150 ESTABLISHED IN 12-59.7S 143-43.5E.

(062356Z JUL 2004)

### SECTION III

NM 30/04

1125/04(96). SEA OF OKHOTSK.

1. SEISMIC SURVEY IN PROGRESS UNTIL 312359Z JUL  
BY M/V ZEPHYR 1 TOWING 6500 METER LONG CABLE  
IN AREA BOUND BY  
53-25N 141-34E, 55-32N 139-00E,  
56-42N 145-03E, 52-57N 148-00E,  
51-44N 147-18E, 50-43N 143-47E.  
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 010059Z AUG.

(070106Z JUL 2004)

1126/04(61). INDIAN OCEAN. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0600Z TO 0800Z DAILY 07 AND 08 JUL  
AND 071600Z TO 071800Z IN AREA BOUND BY  
21-12.0S 054-57.0E, 21-26.0S 055-02.5E,  
21-31.2S 054-47.4E, 21-17.2S 054-42.0E.
2. CANCEL THIS MSG 080900Z JUL.

(070210Z JUL 2004)

1127/04(93). SOUTH CHINA SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 200001Z AUG  
BY M/V ORIENT EXPLORER TOWING FOUR 4500 METERS  
LONG CABLES IN AREA BOUND BY  
21-00.5N 108-46.5E, 21-02.5N 108-56.0E,  
21-01.0N 109-03.0E, 20-52.0N 109-05.0E,  
20-43.5N 108-50.0E.
2. CANCEL THIS MSG 200101Z AUG.

(070936Z JUL 2004)

1128/04(22). SOUTH PACIFIC.

F/V MI AURORITA, SEVEN PERSONS ON BOARD,  
UNREPORTED. LAST KNOWN POSITION 06-05S 081-30W.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP  
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO ANY  
COASTAL RADIO STATION.

(071321Z JUL 2004)

1129/04(22). SOUTH PACIFIC.

F/V MAMA MIA, SIX PERSONS ON BOARD, UNREPORTED.  
LAST KNOWN POSITION 04-46-54S 081-25-21W.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP  
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL  
RADIO STATION.

(071327Z JUL 2004)

1130/04(GEN).

1. HYDROPAK MESSAGES IN FORCE 080800Z JUL 2004. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 910(22), 912(94,95), 932(22), 940(62),  
948(96), 965(63), 967(74), 981(74), 987(81), 988(63), 996(94,95),  
1000(63), 1004(93), 1011(62), 1013(63), 1014(63),  
1021(71), 1024(73,81), 1025(74), 1033(62), 1035(97), 1036(81),  
1040(97), 1044(61), 1049(61), 1050(74), 1052(74), 1055(97),  
1056(61), 1059(95), 1060(63), 1063(GEN), 1065(62), 1066(62),  
1068(94,95), 1069(94,95), 1071(63), 1072(73), 1076(74), 1077(83),  
1079(95), 1080(95), 1081(74), 1082(GEN), 1083(95), 1084(62),  
1089(GEN), 1090(GEN), 1091(62), 1092(63), 1095(61), 1096(61),  
1099(63), 1101(61), 1102(93), 1107(74), 1112(74), 1113(74),  
1114(63), 1115(63), 1120(71), 1121(83), 1122(63), 1123(63),  
1124(74), 1125(96), 1126(61), 1127(93), 1128(22), 1129(22), 1130(61).
2. THE SUMMARY OF ALL HYDROPAK MESSAGES IN FORCE AS OF 11 DEC 2003  
IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE  
SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/04.
3. CANCEL HYDROPAK 941/04, 942/04, 959/04, 960/04, 972/04, 976/04,  
989/04, 997/04, 1109/04.

(080501Z JUL 2004)

## SECTION III

### MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NGA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)), by referring to Section I (paragraph 50) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 8 July 2004: 00-7, 01-7, 02-2, 02-5, 02-7 and 03-4.

### SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NGA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003.

SPECIAL WARNINGS in force 8 July 2004: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

### **SECTION III**

**NM 30/04**

#### **MARINE INFORMATION**

##### **NEW EDITION OF COAST PILOT**

U.S. Coast Pilot 5, Gulf of Mexico, Puerto Rico, and Virgin Islands, Thirty-Second Edition, 2004, is ready for issue and may be obtained from:

Federal Aviation Administration  
National Aeronautical Charting Office  
Distribution Division, AVN-530  
6303 Ivy Lane, Suite 400  
Greenbelt, MD 20770-1479

and authorized sales agents of the National Ocean Service. Price \$26.00.

The 2004 (32nd) Edition cancels the preceding 2004 (31st) Edition.

All corrections to the previous edition issued in Notice to Mariners are incorporated in this edition.

Mariners are encouraged to use the convenient "RECORD OF CHANGES" form on Page V of this book. All Coast Pilot changes published in the U.S. Coast Guard Local Notice to Mariners, National Geospatial-Intelligence Agency Notice to Mariners, and on the Internet at <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>/ are serially numbered (i.e., Change No. 1, Change No. 2, etc.) to assist you in tracking the changes.

#### **NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY**

NOAA recognizes two paper nautical chart products:

- the Charts-on-Demand chart distributed by OceanGrafix ([www.OceanGrafix.com](http://www.OceanGrafix.com)), and
- the traditional NOAA/NOS paper chart distributed by the Federal Aviation Administration and the National Geospatial-Intelligence Agency (NGA).

The Charts-on-Demand chart is available the day after NOAA clears a New Edition for release. The traditional chart is available two to eight weeks later. Each is official, should be put into service immediately, and meets Federal chart carriage requirements immediately upon its release. For questions, contact NOAA at [help@nauticalcharts.gov](mailto:help@nauticalcharts.gov) or call 301-713-1773 x105. Dates of Latest Edition for both charts are listed at <http://nauticalcharts.noaa.gov>.

This week's new edition released by NOAA is listed below:

12313 50 <sup>th</sup> Ed. Jul 2004 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
PA-NJ-DELAWARE RIVER-PHILADELPHIA AND CAMDEN WATERFRONTS		1:15,000
(New edition due to numerous Notice to Mariner changes.)		

## MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

**Observer:** name(s) of person(s) making observation and rank, rate or title.

**Ship/Organization:** name of vessel or organization.

**Address:** complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

**Date of Observation:** day, month and year at which the observation was made.

**Time of Observation:** local time at which the observation was made.

**Latitude/Longitude:** exact position of the observation expressed as accurately as possible.

**Datum:** horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

**Navigation System:** method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

**Verified by Navigator:** indicate whether observation was verified by navigator.

**Product(s) Affected:** product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

**Edition:** edition number and/or year of affected product.

**Latest correction applied:** the latest Notice to Mariners to which your copy of affected product has been corrected.

**Sounding sensor or method used:** equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

**Soundings corrected for draft:** indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

**Details of Information Reported:** use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NGA to update our records and obtain additional or later information.

**User Feedback:** use this space to provide feedback and suggestions for improving NGA products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NGA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of our Bathymetric Database. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

## **MARINE INFORMATION REPORT AND SUGGESTION SHEET**

Observer \_\_\_\_\_ Ship/Organization \_\_\_\_\_

Address \_\_\_\_\_

Email address

Date of Observation \_\_\_\_\_ Time of Observation (Local)\_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Product(s) Affected \_\_\_\_\_ Edition \_\_\_\_\_

Latest correction applied: N.M. \_\_\_\_\_

Sounding sensor or method used

Sounding(s) corrected for draft: Yes No

Details of Information Reported (continue on additional sheets as necessary) \_\_\_\_\_

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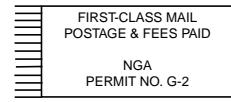
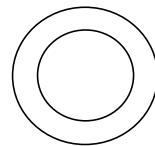
www.nature.com/scientificreports/

User Feedback (continue on additional sheets as necessary)



**MARITIME SAFETY INFORMATION DIVISION  
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4600 SANGAMORE ROAD  
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## ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer \_\_\_\_\_

Ship/Organization \_\_\_\_\_

Phone \_\_\_\_\_ Email Address\_\_\_\_\_

Describe Hazard (e.g. dredge, buoy, current meter, operations): \_\_\_\_\_

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Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): \_\_\_\_\_

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Digitized by srujanika@gmail.com

If observed, Date \_\_\_\_\_ Time (Local) \_\_\_\_\_

Latitude                  Longitude                  Datum

Navigation System: **Verified by Navigation: Yes** No

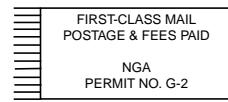
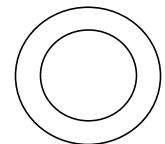
For more information, please contact the Office of the Vice Provost for Research Integrity, [integrity@mit.edu](#).

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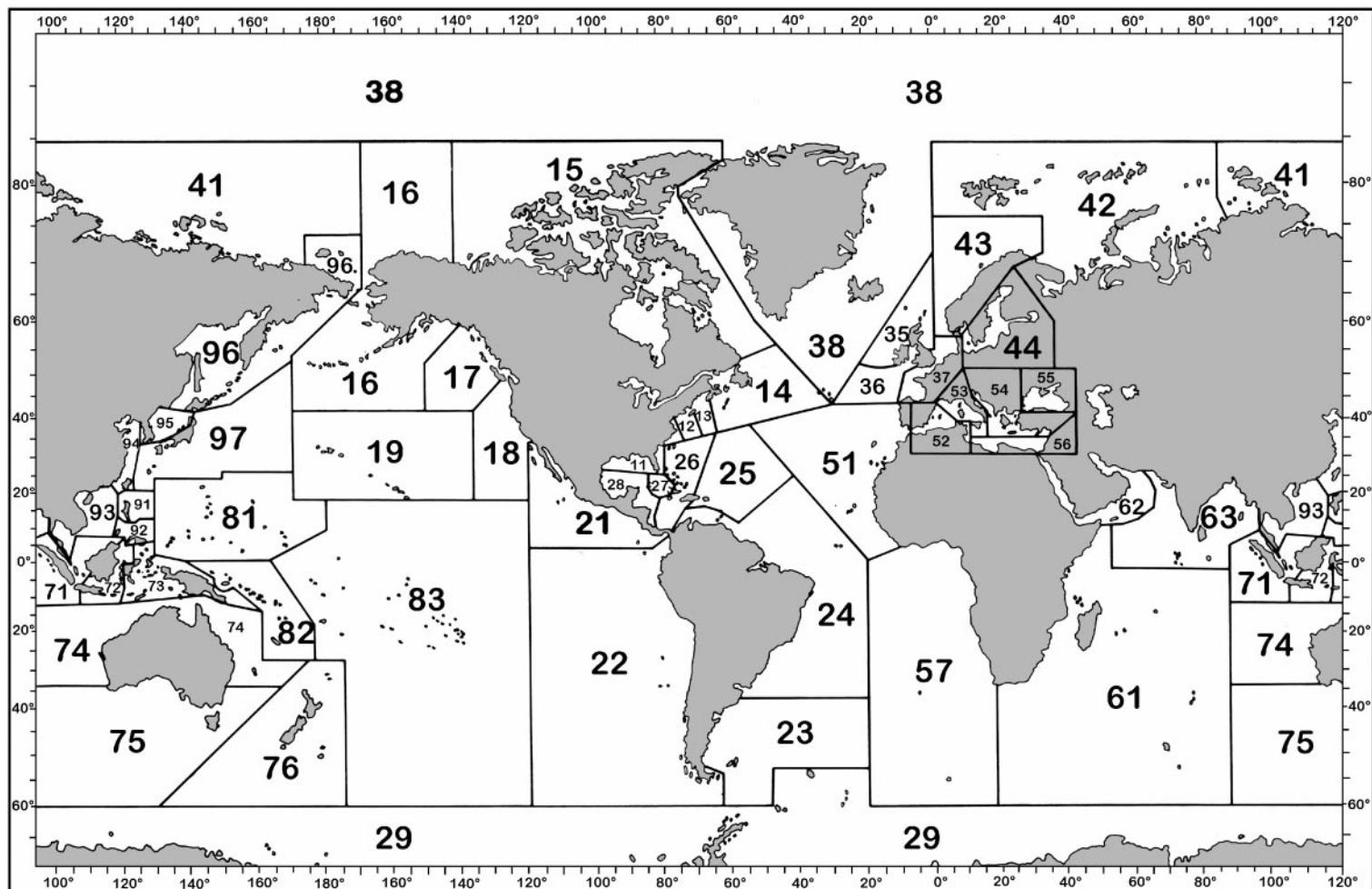
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## GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NGA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

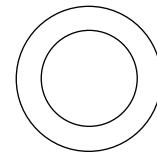
AFTER 5 DAYS RETURN TO

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8000 JEFFERSON DAVIS HIGHWAY  
RICHMOND, VIRGINIA 23297-5338

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# IMPORTANT NAVIGATIONAL INFORMATION TIME—DATED



NOTICE TO  
MARINERS

PLEASE EXPEDITE DELIVERY